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ANNUAL REPORT
OF
OCEANOGRAPHIC OBSERVATIONS
VOLUME 28

해 양 조 사 연 보

제 28 권

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Honolulu, Hawaii

국 립 수 산 진 흥 원

Fisheries Research and Development Agency

Busan, Korea

December, 1 9 8 0

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국 립 수 산 진 흥 원
Fisheries Research and Development Agency
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국민교육헌장

우리는 민족중흥의 역사적 사명을 띠고 이 땅에 태어났다. 조상의 빛난 얼을 오늘에 되살려, 안으로 자주 독립의 자세를 확립하고, 밖으로 인류 공영에 이바지 할 때다. 이에, 우리의 나아갈 바를 밝혀 교육의 지표로 삼는다.

성실한 마음과 튼튼한 몸으로, 학문과 기술을 배우고 익히며, 타고난 저마다의 소질을 계발하고 우리의 처지를 약진의 발판으로 삼아, 창조의 힘과 개척의 정신을 기른다.

공익과 질서를 앞세우며 능률과 실질을 숭상하고, 경애와 신의에 뿌리박은 상부 상조의 전통을 이어받아, 명랑하고 따뜻한 협동정신을 북돋운다. 우리의 창의와 협력을 바탕으로 나라가 발전하며 나라의 융성이 나의 발전의 근본임을 깨달아, 자유와 권리에 따르는 책임과 의무를 다하며, 스스로 국가 건설에 참여하고 봉사하는 국민 정신을 드높인다.

반공 민주정신에 투철한 애국애족이 우리의 삶의 길이며, 자유세계의 이상을 실현하는 기반이다. 길이 후손에 물려줄 영광된 통일 조국의 앞날을 내다보며, 신념과 긍지를 지닌 근면한 국민으로서 민족의 슬기를 모아 줄기찬 노력으로, 새 역사를 창조하자.

資 料 및 方 法

本 年報에 収録된 資料는 1979年 当院에서 調査한 定線海洋観測資料와 沿岸定地海洋観測資料, 其他資料를 다음과 같이 綜合하였다.

第一編 : 沿岸定地 海洋観測成績

1979년 한국근해의 41개 연안정지관측점에서 매일 1회(10시)수온, 기온 및 기상조사를 실시한 자료중에서 표면 수온의 매순별 평균치를 산출하여 수록하였다.

第二編 : 定線海洋観測成績

1979년 한국근해의 정선 20개선(東海 ; 7개선, 南海 ; 7개선 西海 ; 6개선)에서 격월로 실시한 정선해양관측조사자료와 특수해양조사 및 각지원에서 자원조사차 출동시 관측한 자료를 수록하였다.

1979년도 정선해양관측자료는 총무처 정부전자계산소의 협조를 받아서 전자계산기 (UNIVAC 1106) 로서 관측자료의 표준화처리 및 역학계산을 실시 수록하였다.

第三編 : 韓日共同海洋觀測成績

한일공동해양관측점의 한국측 63개 정점중 "第二編"의 정선해양관측점과 중복되지 않는 12개 정점에 대한 자료를 수록하였으며 자료의 처리는 第二編과 동일하다.

第四編 : 浮游生物調査成績

정선해양관측시 Norpac Net로 채집된 부유생물 시료를 대형인 강장류, 갑각류 및 피낭류등을 제거한후, 용적측정법에 의한 침점량과 중량측정법에 의한 습중량을 측정하였으며, Copepoda Chaetognatha, Amphipoda, Euphausiacea 등을 계수표시하였다.

끝으로 정선해양관측자료의 표준화 처리 및 역학계산에 협조하여 주신 총무처 정부전자계산소 정충구, 정좌진씨에게 사의를 표합니다.

資料調査 및 編輯

해양조사과	수산기정	심 능 환	
	수산연구관	임 기 봉	
	〃	방 극 순	
	〃	김 복 기	(편집)
	수산연구사	권 선 원	
	〃	박 상 정	
	〃	김 양 섭	
	〃	오 창 업	(편집)
	〃	송 재 선	
	수산연구원	최 순 호	
	〃	김 운 학	
포항지원	수산기정	서 학 근	
	수산연구관	손 무 익	
	수산연구사	손 송 정	
	수산기사보	김 흥 섭	
군산지원	수산기정	이 생 동	
	수산연구관	노 용 길	
	〃	장 계 남	
	수산연구사	김 선 욱	

차 례

범 례 9

제 1 편 · 연안정지 해양 관측 성적 13

연안정지 해양관측점 위치도 15
연안정지 월별 표면 수온 16
연안정지 해양관측점 위치표 22

제 2 편 : 정선 해양 관측 성적 23
(수온, 염분 및 기상)
정선 해양관측점 위치도 27
정선 해양관측점 위치표 28
(1) 동해 해양조사 성적 31
(2) 남해 해양조사 성적 285
(3) 서해 해양조사 성적 415

제 3 편 : 한일공동 해양 관측 성적 525

한일공동 해양관측점 위치도 527
한일공동 해양관측점 위치표 528
한일공동 해양조사 성적 529

제 4 편 : 부유생물 조사 성적 557

부유생물의 채집 및 조사 방법 559
(1) 동해 부유생물 조사 성적 561
(2) 남해 부유생물 조사 성적 571
(3) 서해 부유생물 조사 성적 581

C O N T E N T S

Explanations ·· ····· 9

PART 1. COASTAL OCEANOGRAPHIC DATA ····· 13

Location of the Shore Stations ····· 15
Surface Water Temperature at the Shore Stations ····· 16
Position of the Shore Stations ····· 22

PART 2. SECTIONAL OCEANOGRAPHIC DATA····· 23
(Temperature, Salinity, and Meteorlogical Data)
Location of the Serial Oceanographic Stations ····· 27
Position of the Serial Oceanographic Stations ····· 28
(1) Oceanographic Data : Eastern Waters····· 31
(2) Oceanographic Data : Southern Waters ····· 285
(3) Oceanographic Data : Western Waters····· 415

PART 3. KOREA-JAPAN COOPERATIVE OCEANOGRAPHIC DATA····· 525

Location of the Oceanographic Stations····· 527
Position of the Oceanographic Stations····· 528
Oceanographic Data····· 529

PART 4. PLANKTON DATA ····· 557

Plankton Collection and Procedures ····· 559
(1) Plankton Data:Eastern Waters ··· ····· 561
(2) Plankton Data:Southern Water ····· 571
(3) Plankton Data:Western Waters ····· 581

범 례

정선해양관측자료

표 제 (표면 환경 정보)

위 치 : 한국 정선해양관측점 번호

위 도 : 북위 도수와 분, 1/10 분 표시

36-305.N → 36° 30′ 30″ N

경 도 : 동경 도수와 분, 1/10 분 표시

일 자 : 대한민국 표준시에 의거한 년, 월, 일

시 각 : 동경 135° 의 자오선을 기준한 대한민국 표준시

수 심 저층까지의 총길이 (*m* 표시)

수 색 : Forel 수색표준액의 수색번호 (1-11)

투명도 : 직경 30 *cm* 의 백색 투명도판에 의한 측정 (*m* 표시)

파 랑 : 방향은 16 방위 (자침방위)

계급은 10 계급법 (0 ~ 9) 으로 표시

너 울 : 방향은 파랑과 동일, 계급은 4 계급법 (0 ~ 3) 으로 표시

바 람 : 방향은 16 방위 (자침방위)

계급은 Beaufort 풍력계급으로 표시

기 압 : Aneroid 기압계에 의해 mb 로 표시

기 온 : 건구온도와 습구온도를 각각 ℃ 로 표시

천 기 천기는 현재상태를 아래와 같이 표시

쾌청(B) : 운량 0 ~ 2, 개임 (BC) : 운량 3 ~ 7,

흐림 (C) : 운량 8 ~ 10, 비(R), 안개(F), 눈(S)

구 름 : 운형은 10 종운형법으로 관측

운량은 천공의 10 등분법에 의하여 목측

관 측 (표면하 관측)

수 심 : 자료 채집 수심 (m)

수 온 : 전도온도계로 측정하여 1/100 ℃까지 표시

염 분 : 전기전도도 염분계로 측정하고 천분율 (‰) 로 표시

보 삽 법

수 심 : 표준층의 수심 (m)

수온, 염분 : 관측자료를 표준층에 일치

계 산

밀 도 : g/ℓ 로 표시

D - T : Thermosteric anomary $10^{-5}\ cm^3/g$

S V A : 현장비용 anomary $10^{-5}\ cm^3/g$

D-DY : 역학심도 anomary

E X P L A N A T I O N

SERIAL OCEANOGRAPHIC STATION DATA

Heading (Surface environmental information)

STATION		: Ship station number given by numeric arabian numbers as assigned by the originator.
LATITUDE		: Given in degrees, minutes and tenths of minutes with hemisphere indicatey by N.
LONGITUDE		: Given in degrees, minutes and tenths of minutes with hemisphere indicated by E.
DATE		: Given in month and day as determined by KST.
TIME		: Time of the beginning of observation given in hour and minute by KST referred to the meridian of 135° E.
DEPTH		: Depth to bottom given in whole meters.
COLOR		: Water color given according to Forel scale (1 ~ 11).
TRANS		: Transparency given in whole meters as determined by Secchi disc.
WAVE	DIR/A	: Direction of wind waves given in 16 point scale of the compass bearing, from which dominant waves are coming, and sea state according to WMO code 3700 (Scale 0 ~ 9)
SWELL	DIR/A	: Direction of swell given in 16 point scale of the compass bearing, from which dominont wave are coming, and sea state (A) according scale 0 ~ 3
WIND	DIR/F	: Direction of wind given in 16 point scale of the compass bearing from which wind is blowing, and wind force (F) in Beaufort scale
BARO		: Barometric pressure given in millibars
AIR TEMP	DRY	: Dry-bulb temperature given in degrees calsius.
	WET	: Wet-bulb temperature given in degrees celsius.

WEATHER	:	Recorded in present weather : the abbreviations and the cloud cover areas are as follows : B : 0 ~ 2, BC : 3 ~ 7, C : 8 ~ 10, R : Rain F : Fog, S : Snow
CLOUD	T :	Cloud type recorded in ten type of the cloud.
	A :	Cloud amount recorded in tenths of whole sky covered.

Observed (Subsurface observations)

DEPTH	:	Depth of sample given in whole meters.
TEMP	:	Temperature given in degrees celsius.
SAL	:	Salinity given in parts per thousand as determined by the inductive salinometer.

Interpolated

DEPTH	:	Standard depths (IAPSO equivelent) given in whole meters.
TEMP, SAL	:	Corresponding to the explanation of observed data.

Calculated

SIGMA-T	:	Given in grams per liter.
D-T	:	Thermosteric anomaly (D-T) given in 10^{-5} cm/g.
SVA	:	Specific volume anomaly (SVA) given in 10^{-5} cm/g.
D-DY	:	Dynamic depth anomaly (D-DY) given in dynamic meters.

제 1 편

연 안 정 지 해 양 관 측 성 적

PART 1

COASTAL OCEANOGRAPHIC DATA

1 9 7 9

연안정지 해양관측점 위치도

Location of the Shore Stations

연 안 정 지 월 별 표 면 수 온

Surface Water Temperature of the Shore Stations

월 Month	순 Ten day \ 관측소 Station	1 거진 Geojin	2 속초 Sogcho	3 주문진 Jumunjin	4 묵호 Mugho	5 울릉도 Ulreungdo	6 구 부 Jugbyeon	7 후 포 Hupo
1월 Jan.	상 순 1st	10.[illegible]	9.36	12.48	11.42	13.30	11.60	-
	중 순 2nd	10.[illegible]	7.32	11.07	10.84	10.41	11.35	
	하 순 3rd	3.[illegible]	[illegible].33	10.27	9.81	10.91	14.06	
	월평균 Mean	10.26	8.46	11.27	10.69	11.80	11.50	
2월 Feb.	상 순 1st	8.37	6.87	9.47	9.47	10.20	12.65	9.50
	중 순 2nd	9.05	7.77	10.04	8.48	9.79	11.70	9.45
	하 순 3rd	9.11	4.70	10.17	10.43	9.83	11.28	9.31
	월평균 Mean	8.85	6.45	9.89	9.46	9.94	11.88	9.42
3월 Mar.	상 순 1st	9.57	8.86	10.43	9.80	-	10.12	10.98
	중 순 2nd	9.45	9.72	10.65	10.77	-	10.25	11.10
	하 순 3rd	8.78	9.18	9.26	11.06	-	9.95	11.51
	월평균 Mean	9.27	9.29	10.11	10.54	-	10.11	11.20
4월 Apr.	상 순 1st	8.58	9.96	10.87	-	10.03	10.22	11.67
	중 순 2nd	8.48	10.77	10.41	-	9.69	11.52	13.02
	하 순 3rd	11.37	12.91	11.77	-	10.41	11.50	13.80
	월평균 Mean	9.48	11.21	11.02	-	10.06	11.08	12.83
5월 May	상 순 1st	12.16	14.62	12.93	13.28	13.04	11.62	13.85
	중 순 2nd	13.10	14.39	13.33	14.36	13.28	13.87	13.95
	하 순 3rd	14.77	16.29	15.58	14.69	16.28	15.76	15.45
	월평균 Mean	13.34	15.10	13.94	14.11	14.14	13.75	14.42
6월 Jun.	상 순 1st	14.74	18.10	16.20	17.23	17.08	14.75	16.60
	중 순 2nd	15.24	19.67	17.00	16.62	18.37	15.32	16.95
	하 순 3rd	17.13	20.73	18.60	19.54	18.88	16.71	16.80
	월평균 Mean	15.70	19.50	17.27	17.80	18.11	15.59	16.78
7월 Jul.	상 순 1st	17.50	20.96	17.36	18.25	19.30	17.57	19.20
	중 순 2nd	20.59	20.55	19.72	18.66	20.05	17.35	20.20
	하 순 3rd	21.52	23.12	22.07	22.04	21.85	18.15	22.87
	월평균 Mean	19.87	21.54	19.72	19.55	20.40	17.89	20.76
8월 Aug.	상 순 1st	21.35	22.27	22.03	22.74	23.06	20.45	22.80
	중 순 2nd	20.93	23.75	21.63	20.52	23.80	21.33	22.65
	하 순 3rd	21.67	23.19	23.30	22.86	22.53	22.01	20.23
	월평균 Mean	21.32	23.07	22.32	22.04	23.13	21.26	21.89
9월 Sep.	상 순 1st	21.19	22.16	22.43	22.53	22.52	21.48	22.45
	중 순 2nd	20.39	23.39	20.59	21.65	22.38	21.50	22.10
	하 순 3rd	18.58	20.48	18.23	18.91	21.59	21.60	20.45
	월평균 Mean	20.05	22.01	20.42	21.03	22.16	21.53	21.67
10월 Oct.	상 순 1st	18.14	18.93	18.76	19.03	20.35	21.05	19.90
	중 순 2nd	18.31	16.03	19.08	20.08	20.25	21.05	20.50
	하 순 3rd	17.83	12.94	18.28	18.29	18.83	20.69	18.82
	월평균 Mean	18.09	15.97	18.71	19.13	19.81	20.93	19.74
11월 Nov.	상 순 1st	16.29	11.61	16.55	16.91	18.71	18.07	17.75
	중 순 2nd	14.29	7.60	14.04	15.10	16.95	15.79	15.05
	하 순 3rd	13.71	8.53	14.37	16.21	-	15.20	14.80
	월평균 Mean	14.76	9.25	14.98	16.07	(17.83)	16.45	15.87
12월 Dec.	상 순 1st	12.77	5.66	14.56	14.59	14.68	14.75	14.70
	중 순 2nd	11.94	6.24	13.45	13.49	14.43	14.08	14.40
	하 순 3rd	10.69	3.65	12.47	11.95	14.00	14.09	13.55
	월평균 Mean	11.80	5.18	13.49	13.34	14.37	14.31	14.22
년 Year	년 평 균	14.40	13.92	15.26	(15.81)	(16.53)	15.58	(16.25)

⑧ 축 산 Chugsan	⑨ 포 항 Pohang	⑩ 장기갑 Janggigab	⑪ 감 포 Gampo	⑫ 울 기 Ulgi	⑬ 부 산 Busan	⑭ 가덕도 Kadeog-Do
13.38	11.94	4.43	14.04	12.41	11.70	11.66
12.34	9.71	4.53	12.61	12.57	10.69	10.44
11.76	8.08	6.13	12.80	11.76	11.06	10.47
12.49	9.91	5.03	13.15	12.25	11.15	10.86
10.38	9.06	8.70	11.83	11.45	11.00	9.87
11.68	10.15	9.31	11.95	12.23	12.09	10.17
11.63	10.27	10.53	12.35	12.36	12.50	10.61
11.23	9.83	9.51	12.04	12.01	11.47	10.22
11.63	10.51	10.01	12.37	12.17	12.39	10.52
12.41	10.93	9.85	12.34	12.12	12.61	10.49
12.33	11.12	11.67	12.41	12.47	13.33	11.18
12.12	10.85	10.51	12.37	12.25	12.78	10.73
12.23	12.18	10.72	12.85	12.88	13.53	11.62
12.67	12.78	12.49	12.53	13.39	13.63	12.61
12.84	13.31	13.97	13.32	13.45	14.29	13.66
12.58	12.76	12.39	12.90	13.24	13.85	10.63
12.97	13.85	15.42	14.10	14.53	15.48	14.54
13.68	14.39	15.23	14.67	16.11	15.31	15.07
15.24	15.75	18.09	15.12	15.91	16.04	16.01
13.96	14.66	16.25	14.63	15.52	15.61	15.21
17.20	18.57	18.37	16.04	16.95	16.49	17.45
17.70	19.98	19.50	15.95	16.05	17.04	18.28
17.19	17.25	19.02	18.52	16.71	17.02	19.29
17.36	18.35	18.96	16.84	16.57	16.83	18.34
17.16	17.67	19.96	18.61	17.38	18.63	19.22
18.24	19.39	20.31	16.93	18.25	18.78	19.53
19.73	22.74	23.66	21.39	18.73	22.51	22.29
18.38	19.93	21.31	18.98	18.12	19.17	20.34
19.74	21.31	23.41	20.16	18.47	23.68	22.35
21.75	20.99	22.80	19.34	21.76	23.52	23.88
20.97	20.26	20.47	20.99	22.37	23.06	23.39
20.82	20.85	22.24	20.16	20.87	23.42	23.31
22.45	22.27	20.45	23.15	20.59	23.13	22.83
22.11	22.58	20.66	22.05	19.96	22.39	22.20
20.65	21.69	20.42	22.18	19.57	21.90	20.77
21.74	22.18	20.51	22.45	20.05	22.54	21.93
20.19	20.18	19.45	0.32	18.92	21.06	19.77
20.24	20.36	18.92	.52	20.10	20.73	19.79
19.34	19.13	17.95	.66	18.08	19.07	18.75
19.92	19.89	18.77	.36	19.11	20.29	19.44
17.79	17.66	17.14	..	17.40	18.32	18.01
16.76	14.73	12.17	..	.33	15.63	15.74
15.69	13.64	11.08	..	.64	14.48	14.21
16.75	15.34	13.45	..	16.92	16.14	15.99
14.49	12.95	12.49	15.74	14.71	14.08	13.85
13.81	12.64	13.43	15.22	14.04	14.28	14.00
13.03	11.45	10.95	14.15	13.25	12.61	12.91
13.78	12.35	12.29	15.04	14.00	13.66	13.39
15.98	15.57	15.10	16.32	15.91	16.41	15.87

월 Month	관측소 Station / 순 Ten day	⑮ 서이말 Seoimal	⑯ 충 무 Chungmu	⑰ 욕지도 Yogji-Do	⑱ 여 수 Yeosu	⑲ 소리도 Sori-Do	⑳ 거문도 Geomun-Do	㉑ 완 도 Wan-Do
1월 Jan.	상 순 1 st	13.02	-	12.00	8.05	12.10	14.22	8.80
	중 순 2 nd	12.30	-	11.25	7.26	11.79	14.32	7.00
	하 순 3 rd	12.07	-	10.14	6.15	11.72	13.75	6.32
	월평균 Mean	12.46	-	11.13	7.15	11.87	14.10	7.54
2월 Feb.	상 순 1 st	11.89	-	9.30	5.69	11.21	13.20	7.96
	중 순 2 nd	12.03	-	10.70	6.76	11.19	13.56	8.71
	하 순 3 rd	12.20	-	12.13	7.65	10.81	12.20	9.56
	월평균 Mean	12.04	-	10.71	6.70	11.07	12.38	8.74
3월 Mar.	상 순 1 st	12.08	-	13.25	7.90	11.36	12.42	9.25
	중 순 2 nd	11.92	-	14.15	9.22	12.63	12.85	10.71
	하 순 3 rd	12.55	-	14.86	10.18	12.75	13.12	12.05
	월평균 Mean	12.18	-	14.09	9.10	12.25	12.80	10.47
4월 Apr.	상 순 1 st	12.27	-	14.20	10.82	12.74	12.79	12.50
	중 순 2 nd	12.72	-	14.75	11.87	13.12	12.93	13.05
	하 순 3 rd	13.39	-	15.25	13.48	13.30	12.97	14.05
	월평균 Mean	12.76	-	14.73	12.06	12.95	12.90	13.30
5월 May	상 순 1 st	14.09	16.53	15.70	15.04	13.87	13.46	15.73
	중 순 2 nd	14.39	16.37	15.75	15.63	14.74	13.73	15.65
	하 순 3 rd	14.94	18.44	15.86	17.60	15.83	14.30	16.13
	월평균 Mean	14.47	17.11	15.77	16.13	14.81	13.90	15.84
6월 Jun.	상 순 1 st	15.44	19.47	16.70	18.39	18.02	15.34	18.45
	중 순 2 nd	15.53	19.98	17.30	19.91	19.62	15.89	18.70
	하 순 3 rd	15.35	20.57	20.95	21.08	19.76	16.96	18.95
	월평균 Mean	15.44	20.01	18.32	19.79	19.10	16.06	18.70
7월 Jul.	상 순 1 st	17.63	21.73	20.25	21.18	20.20	18.05	19.90
	중 순 2 nd	17.39	20.43	20.45	21.31	20.56	22.25	21.10
	하 순 3 rd	21.33	22.63	23.09	22.81	21.83	24.47	22.27
	월평균 Mean	18.85	21.59	21.26	21.76	20.86	21.59	21.09
8월 Aug.	상 순 1 st	21.21	25.21	24.50	24.76	23.85	16.98	23.45
	중 순 2 nd	21.65	23.53	24.60	24.86	23.65	18.16	23.85
	하 순 3 rd	22.60	23.26	23.64	24.00	23.40	22.31	23.77
	월평균 Mean	21.82	24.00	24.25	24.54	23.63	19.15	23.69
9월 Sep.	상 순 1 st	22.50	23.31	23.50	23.42	22.89	21.68	23.00
	중 순 2 nd	22.21	23.00	23.10	23.21	22.08	20.96	22.15
	하 순 3 rd	21.42	21.38	21.90	22.03	21.71	21.75	20.80
	월평균 Mean	22.04	22.56	22.83	22.89	22.23	21.46	21.98
10월 Oct.	상 순 1 st	20.36	20.44	21.50	21.17	20.86	19.90	20.19
	중 순 2 nd	20.21	20.12	21.00	21.62	20.59	19.51	19.89
	하 순 3 rd	19.26	19.62	20.00	19.45	19.40	18.59	18.43
	월평균 Mean	19.94	20.06	20.83	20.54	19.64	19.33	19.50
11월 Nov.	상 순 1 st	17.43	19.10	18.60	19.15	18.12	18.32	17.60
	중 순 2 nd	16.68	15.00	16.70	15.82	16.34	16.77	14.69
	하 순 3 rd	16.05	11.67	15.30	13.41	15.68	17.33	12.19
	월평균 Mean	16.72	15.26	16.87	16.13	16.71	17.64	14.83
12월 Dec.	상 순 1 st	14.79	11.20	14.20	10.90	15.05	16.40	11.50
	중 순 2 nd	14.70	10.50	13.50	9.88	13.24	15.04	10.45
	하 순 3 rd	14.13	9.62	13.00	9.10	13.16	15.55	-
	월평균 Mean	14.54	10.44	13.57	9.96	13.81	15.66	(10.48)
년 Year	년 평 균	16.10	-	17.03	15.56	16.58	16.41	(15.55)

㉒ 자기도 Jaji-Do	㉓ 우 도 U-Do	㉔ 산 지 Sanji	㉕ 서귀포 Seogwipo	㉖ 마라도 Mara-Do	㉗ 죽 도 Jug-Do	㉘ 소흑산도 -Do Sohaugsan
–	16.26	16.00	16.15	15.64	12.25	12.23
–	15.42	15.40	15.49	15.41	11.00	11.76
–	15.64	14.90	14.92	15.66	10.50	11.23
–	15.77	15.43	15.52	15.57	11.25	11.74
9.88	14.89	14.16	14.30	15.97	10.31	9.85
9.38	14.88	13.22	14.46	15.82	9.70	9.36
10.23	14.75	13.38	15.15	15.40	8.93	9.80
9.83	14.84	13.59	14.60	15.78	9.65	9.67
11.13	14.62	13.65	14.49	15.11	12.61	11.42
11.36	14.29	13.90	14.47	15.03	11.89	11.59
12.81	14.75	14.12	14.64	14.85	11.60	11.60
11.76	14.55	13.89	14.54	15.00	12.03	11.54
13.74	14.81	14.11	14.66	14.53	11.78	11.06
13.24	14.46	14.08	14.75	14.53	12.20	10.88
14.29	14.31	14.10	14.77	14.70	13.02	11.17
13.76	14.53	14.09	14.73	14.58	12.33	11.03
14.76	14.75	14.46	15.15	15.08	13.52	12.22
14.67	14.99	15.77	15.37	15.19	13.66	12.17
15.89	16.07	16.88	16.99	16.66	14.34	13.10
15.12	15.29	15.70	15.84	15.64	13.84	12.60
16.48	17.87	17.17	18.93	18.48	14.46	15.33
16.29	18.18	18.09	19.43	19.39	14.94	15.64
16.74	19.40	18.15	19.86	20.30	15.45	18.67
16.50	18.48	17.80	19.41	19.39	14.95	16.55
17.35	20.18	–	20.63	21.31	16.16	20.28
18.28	20.32	–	21.36	22.27	16.75	19.22
19.78	21.22	–	23.67	24.26	17.31	19.58
18.47	20.57	–	21.89	22.61	16.74	20.34
21.37	23.68	21.10	24.36	26.03	17.87	23.10
21.77	26.08	21.40	24.78	27.50	20.19	21.86
21.78	24.51	22.02	24.47	26.50	21.10	21.28
21.64	24.76	21.51	24.52	26.61	19.72	22.08
20.66	24.33	22.24	24.11	22.68	18.83	21.13
19.63	24.63	22.24	23.44	23.47	18.30	20.83
18.95	24.47	21.46	23.58	23.72	18.44	19.03
19.41	24.48	21.98	23.76	23.29	18.52	20.34
18.28	21.24	20.65	22.93	23.25	18.39	18.73
18.43	20.79	19.50	23.49	23.15	17.38	18.45
17.98	21.59	20.25	22.85	22.82	17.11	18.43
18.23	21.21	20.13	23.08	21.74	17.79	18.54
17.86	21.26	19.62	22.49	22.52	16.53	18.33
16.60	20.79	16.62	20.85	20.50	16.13	15.13
14.32	21.27	14.60	19.65	19.53	15.41	13.83
16.26	21.11	16.95	21.00	20.85	16.02	15.76
12.99	16.99	16.07	19.32	18.99	13.48	14.27
11.85	16.63	16.30	18.67	17.98	13.90	13.60
11.18	16.40	16.99	17.16	17.45	13.30	13.06
11.62	16.67	16.45	18.38	18.14	13.67	13.64
(15.69)	18.52	(17.05)	18.94	19.10	14.79	15.32

월 Month	순 Ten day	관측소 Station	㉙ 홍도 Hong-Do	㉚ 칠발도 Chilbal-Do	㉛ 목포 Mogpo	㉜ 말도 Mal-Do	㉝ 군산 Gunsan	㉞ 어청도 Eocheong-Do	㉟ 격열비도 Gyeogyeolbi-Do
1월 Jan.	상순	1st	11.34	8.26	8.05	7.95	3.85	10.20	8.40
	중순	2nd	9.86	7.45	7.41	6.17	3.37	9.44	8.04
	하순	3rd	10.03	7.61	6.75	5.74	3.36	8.84	7.46
	월평균	Mean	10.41	7.77	7.40	6.62	3.53	9.36	7.97
2월 Feb.	상순	1st	9.54	6.90	6.14	4.81	2.42	7.96	5.85
	중순	2nd	8.23	7.46	6.43	5.08	3.47	7.45	5.57
	하순	3rd	8.06	5.86	7.28	5.62	5.70	7.18	5.42
	월평균	Mean	8.61	6.74	6.57	5.17	3.86	7.53	5.61
3월 Mar.	상순	1st	8.16	7.14	7.16	5.56	5.58	7.08	5.64
	중순	2nd	8.12	7.66	8.32	6.80	7.69	7.22	5.94
	하순	3rd	8.56	8.34	9.89	7.32	9.57	7.80	6.42
	월평균	Mean	8.28	7.75	8.50	6.56	7.61	7.37	6.00
4월 Apr.	상순	1st	8.78	9.00	10.60	7.42	10.40	8.20	6.96
	중순	2nd	9.26	9.92	11.74	8.85	12.02	8.84	7.59
	하순	3rd	9.68	10.67	13.64	10.56	15.65	9.56	8.44
	월평균	Mean	9.24	9.86	11.99	8.94	12.69	8.87	7.66
5월 May	상순	1st	11.56	11.99	14.94	11.38	16.83	10.96	9.56
	중순	2nd	12.48	13.28	14.78	12.52	17.08	11.62	10.26
	하순	3rd	13.42	14.42	17.44	13.65	19.43	12.09	12.21
	월평균	Mean	12.59	13.23	15.77	12.51	17.78	11.56	10.64
6월 Jun.	상순	1st	14.85	15.36	18.84	15.67	21.46	13.98	14.64
	중순	2nd	17.30	15.79	19.60	17.38	22.40	16.83	17.51
	하순	3rd	18.80	16.06	21.12	18.01	23.93	18.77	18.49
	월평균	Mean	16.98	15.72	19.85	17.02	23.00	16.53	16.88
7월 Jul.	상순	1st	19.17	17.36	21.59	19.42	24.95	19.93	20.40
	중순	2nd	18.78	18.68	22.01	20.39	24.56	21.13	20.83
	하순	3rd	19.19	19.68	23.37	21.71	26.07	21.35	21.78
	월평균	Mean	19.29	18.57	22.36	20.51	25.19	20.28	21.00
8월 Aug.	상순	1st	-	20.53	25.13	24.07	27.23	23.93	21.97
	중순	2nd	-	21.89	25.42	25.10	27.66	24.40	24.34
	하순	3rd	-	21.05	24.91	25.08	25.68	23.57	23.25
	월평균	Mean	-	21.16	25.15	24.78	26.86	23.97	23.15
9월 Sep.	상순	1st	21.14	20.89	23.21	22.49	24.30	21.96	21.56
	중순	2nd	22.08	21.09	22.10	21.64	22.49	21.73	21.70
	하순	3rd	18.93	19.65	21.21	20.36	21.31	19.04	19.48
	월평균	Mean	20.72	20.54	22.17	21.50	22.70	20.91	20.91
10월 Oct.	상순	1st	17.57	18.79	19.43	18.63	19.95	17.04	18.43
	중순	2nd	17.31	18.39	18.87	18.47	19.23	16.22	18.29
	하순	3rd	17.02	17.52	17.63	18.20	17.24	16.86	16.71
	월평균	Mean	17.30	18.23	18.61	18.43	18.80	16.70	17.81
11월 Nov.	상순	1st	16.53	16.56	17.37	17.79	16.76	17.43	16.50
	중순	2nd	15.60	15.16	14.54	14.86	10.58	15.54	14.77
	하순	3rd	14.57	11.34	10.59	12.18	7.31	12.38	12.80
	월평균	Mean	15.57	14.35	14.17	14.94	11.55	15.12	14.69
12월 Dec.	상순	1st	12.60	9.87	10.36	11.07	6.08	11.31	11.98
	중순	2nd	10.13	9.60	9.90	9.20	6.09	10.62	10.82
	하순	3rd	9.08	8.61	8.72	8.05	4.53	9.90	10.21
	월평균	Mean	10.60	9.69	9.63	9.44	5.60	10.61	11.03
년 Year	년평균		(13.60)	13.68	15.18	13.87	14.98	14.11	13.61

㉯ 목억도 Mogdeog -Do	㉰ 부 도 Bu-Do	㉱ 선미도 Seonmi -Do	㉲ 허미도 Weolmi -Do	㉳ 여평도 Yeongpyeong-Do	㉴ 소청도 Socheong -Do
7.77	7.47	6.27	5.39	4.09	6.56
5.97	6.15	5.45	4.49	2.88	5.96
5.31	4.95	4.47	3.49	2.52	6.00
6.68	6.19	5.40	4.46	3.16	6.14
4.27	4.25	4.00	3.21	1.32	4.77
4.29	4.24	3.97	2.93	1.68	4.63
4.77	4.11	4.18	3.33	1.48	4.78
4.44	4.30	4.05	3.32	1.49	4.73
4.58	4.71	4.77	4.38	3.26	5.07
5.04	4.80	5.16	5.70	5.21	5.53
5.95	5.89	5.84	7.15	6.52	5.58
5.95	5.13	5.26	5.76	5.00	5.39
7.37	6.94	6.49	8.06	.60	6.13
7.96	7.86	7.59	9.68	9.07	6.86
8.83	8.66	8.76	12.19	11.08	7.43
8.05	7.82	7.75	9.98	9.25	6.81
9.93	10.09	10.30	12.99	12.81	7.86
10.79	11.98	11.77	14.90	14.02	9.08
11.51	13.30	13.42	16.96	16.17	10.93
10.74	11.79	11.83	16.65	14.07	9.29
13.57	14.43	14.83	18.32	17.36	12.03
15.15	15.57	15.87	19.41	18.74	13.36
16.83	16.47	16.72	20.95	20.14	15.34
15.18	15.49	15.81	19.56	18.75	13.57
18.22	18.10	18.25	22.76	21.88	17.72
19.34	19.29	20.14	23.27	22.67	18.85
20.37	20.15	21.59	24.35	23.95	19.40
19.31	19.18	19.99	23.46	22.83	18.56
21.55	22.02	22.56	26.03	24.51	20.33
22.68	23.36	24.05	26.77	25.65	21.14
23.22	23.57	24.25	26.45	24.57	20.60
22.48	22.98	23.62	26.42	24.91	21.69
23.07	22.39	22.83	24.99	23.11	19.27
21.73	21.51	22.25	24.13	21.97	18.26
20.17	20.80	21.40	21.99	20.29	16.58
21.66	21.55	22.16	23.70	21.79	18.04
19.23	19.49	20.25	19.70	18.57	15.52
18.13	18.71	19.42	19.05	18.04	14.98
17.35	17.65	18.45	17.45	16.84	13.81
18.24	18.62	19.37	18.69	17.82	14.77
17.07	16.50	16.59	16.86	16.07	13.38
15.17	14.12	13.89	12.03	11.01	11.34
12.14	11.31	11.75	9.06	7.66	9.46
14.78	13.98	14.08	12.65	11.56	11.39
10.31	10.22	10.33	8.06	6.64	8.61
9.30	9.11	9.11	7.70	5.19	8.17
7.68	7.33	7.26	5.71	4.45	7.99
9.10	8.93	8.90	7.16	5.42	8.26
13.05	13.00	13.19	14.12	13.00	11.56

연안정지 해양관측점 위치표
Position of the Shore Stations

해역 Region	번호 No.	관측지명 Name of the Station	위치 Poaition 북위 Lat.(N)	동경 Long.(E)	관측회수 Frequency of Observation	관측개시년수 Data of Inauguration
동해안 East Coast	1	거진 Geojin	38°28′30″	128°26′00″	매일 Daily ※	1967. 4
	2	속초 Sogcho	38°12′32″	128°36′18″	매일 Daily 〃	1967. 4
	3	주문진 Jumunjin	37°53′15″	128°50′00″	매일 Daily 〃	1952. 8
	4	묵호 Mugho	37°32′58″	129°07′15″	매일 Daily 〃	1967. 6
	5	울릉도 Ulneung-Do	37°29′00″	130°54′35″	매일 Daily 〃	1931.11
	6	죽변 Jugbyeon	37°03′28″	129°26′00″	매일 Daily 〃	1916. 7
	7	후포 Hupo	36°40′42″	129°27′42″	매일 Daily 〃	1968. 9
	8	축산 Chugsan	36°30′29″	129°27′37″	매일 Daily 〃	1968. 4
	9	포항 Pohang	36°02′56″	129°26′10″	매일 Daily 〃	1946. 7
	10	장기갑 Janggigab	36°04′35″	129°34′30″	매일 Daily 〃	1916. 7
	11	감포 Gampo	35°48′20″	129°30′40″	매일 Daily 〃	1967. 5
	12	울기 Ulgi	35°29′28″	129°26′50″	매일 Daily 〃	1939. 1
남해안 South Coast	13	부산 Busan	35°05′08″	129°02′07″	매일 Daily 〃	1925. 3
	14	가덕도 Kadeog-Do	34°59′20″	128°49′50″	매일 Daily 〃	1930. 1
	15	서이말 Seoimal	34°47′00″	128°44′10″	매일 Daily 〃	1967. 4
	16	충무 Chungmu	34°49′55″	128°24′40″	매일 Daily 〃	1979. 5
	17	욕지도 Yogiji-Do	34°40′50″	128°10′35″	매일 Daily 〃	1969. 1
	18	여수 Yeosu	34°44′00″	127°44′00″	매일 Daily 〃	1921. 1
	19	소리도 Sori-Do	34°24′15″	127°48′15″	매일 Daily 〃	1928. 4
	20	거문도 Geomun-Do	34°00′30″	127°19′15″	매일 Daily 〃	1916. 7
	21	완도 Wan-Do	34°19′10″	126°45′00″	매일 Daily 〃	1967. 9
	22	자지도 Jaji-Do	34°05′20″	126°36′15″	매일 Daily 〃	1928. 4
	23	우도 U-Do	33°29′10″	126°58′10″	매일 Daily 〃	1967. 4
	24	산지 Sanji	33°31′10″	126°33′00″	매일 Daily 〃	1923.10
	25	서귀포 Seogwipo	33°13′30″	126°34′45″	매일 Daily 〃	1963. 1
	26	마라도 Mara-Do	33°06′45″	126°06′45″	매일 Daily 〃	1923.10
서해안 West Coast	27	죽도 Jug-Do	34°13′30″	125°51′00″	매일 Daily 〃	1916. 7
	28	흑산도 Heugsan-Do	34°05′30″	125°06′05″	매일 Daily 〃	1925.10
	29	홍도 Hong-Do	34°42′30″	125°13′00″	매일 Daily 〃	1933. 1
	30	칠발도 Chilbal-Do	34°47′25″	125°47′30″	매일 Daily 〃	1967. 5
	31	목포 Mogpo	34°46′40″	126°23′05″	매일 Daily 〃	1928. 8
	32	말도 Mal-Do	35°51′15″	126°19′10″	매일 Daily 〃	1967. 4
	33	군산 Gunsan	35°59′15″	126°43′00″	매일 Daily 〃	1939. 4
	34	어청도 Eocheong-Do	36°06′40″	125°59′15″	매일 Daily 〃	1916. 7
	35	격열비도 Gyeogyeolbi-Do	36°37′15″	125°33′20″	매일 Daily 〃	1916. 7
	36	목덕도 Mogdeog-Do	36°55′40″	125°45′30″	매일 Daily 〃	1967. 9
	37	부도 Bu-Do	37°08′40″	126°21′00″	매일 Daily 〃	1926. 1
	38	선미도 Seonmi-Do	37°17′10″	126°04′45″	매일 Daily 〃	1967. 7
	39	월미도 Weolmi-Do	37°28′25″	126°36′30″	매일 Daily 〃	1967. 4
	40	연평도 Yeonpyeong-Do	37°38′55″	125°41′10″	매일 Daily 〃	1967. 5
	41	소청도 Socheong-Do	37°45′00″	124°44′00″	매일 Daily 〃	1916. 7

※ 매일 오전 10시 관측, At 10 a.m. everywhere

제 2 편

정 선 해 양 관 측 성 적

(수온, 염분 및 기상관측 자료)

PART 2

SECTIONAL OCEANOGRAPHIC DATA

(Temperature, Salinity, and Meterological Data)

1 9 7 9

차 례
CONTENTS

정선 해양관측점 위치도…… 27 Location of the Serial Oceanographic Stations …… 27

정선 해양관측점 위치표…… 28 Position of the Serial Oceanographic Stations …… 28

1. 동해 해양조사 성적…… 31 1. OCEANOGRAPHIC DATA: EASTERN WATERS …… 31

A. 106선 해양관측 성적…… 33 A. Oceanographic Data. Line 106…… 33

B. 105선 해양관측 성적…… 71 B. Oceanographic Data. Line 105…… 71

C. 104선 해양관측 성적…… 111 C. Oceanographic Data. Line 104…… 111

D. 103선 해양관측 성적…… 151 D. Oceanographic Data. Line 103…… 151

E. 102선 해양관측 성적…… 190 E. Oceanographic Data. Line 102…… 190

F. 209선 해양관측 성적…… 228 F. Oceanographic Data. Line 209…… 228

G. 208선 해양관측 성적…… 257 G. Oceanographic Data. Line 208…… 257

2. 남해 해양조사 성적…… 285 2. OCEANOGRAPHIC DATA: SOUTHTHERN WATERS …… 285

A. 207선 해양관측 성적…… 287 A. Oceanographic Data. Line 207…… 287

B. 206선 해양관측 성적…… 301 B. Oceanographic Data. Line 206…… 301

C. 205선 해양관측 성적…… 315
C.Oceanographic Data. Line 205 …… 315

D. 204선 해양관측 성적…… 329
D.Oceanographic Data. Line 204 …… 329

E. 203선 해양관측 성적…… 346
E.Oceanographic Data. Line 203 …… 346

F. 313선 해양관측 성적…… 355
F.Oceanographic Data. Line 313 …… 355

G. 314선 해양관측 성적…… 382
G.Oceanographic Data. Line 314 …… 382

3. 서해 해양조사 성적…… 415
3. OCEANOGRAPHIC DATA : WESTERN WATERS …… 415

A. 307선 해양관측 성적…… 417
A.Oceanographic Data. Line 307 …… 417

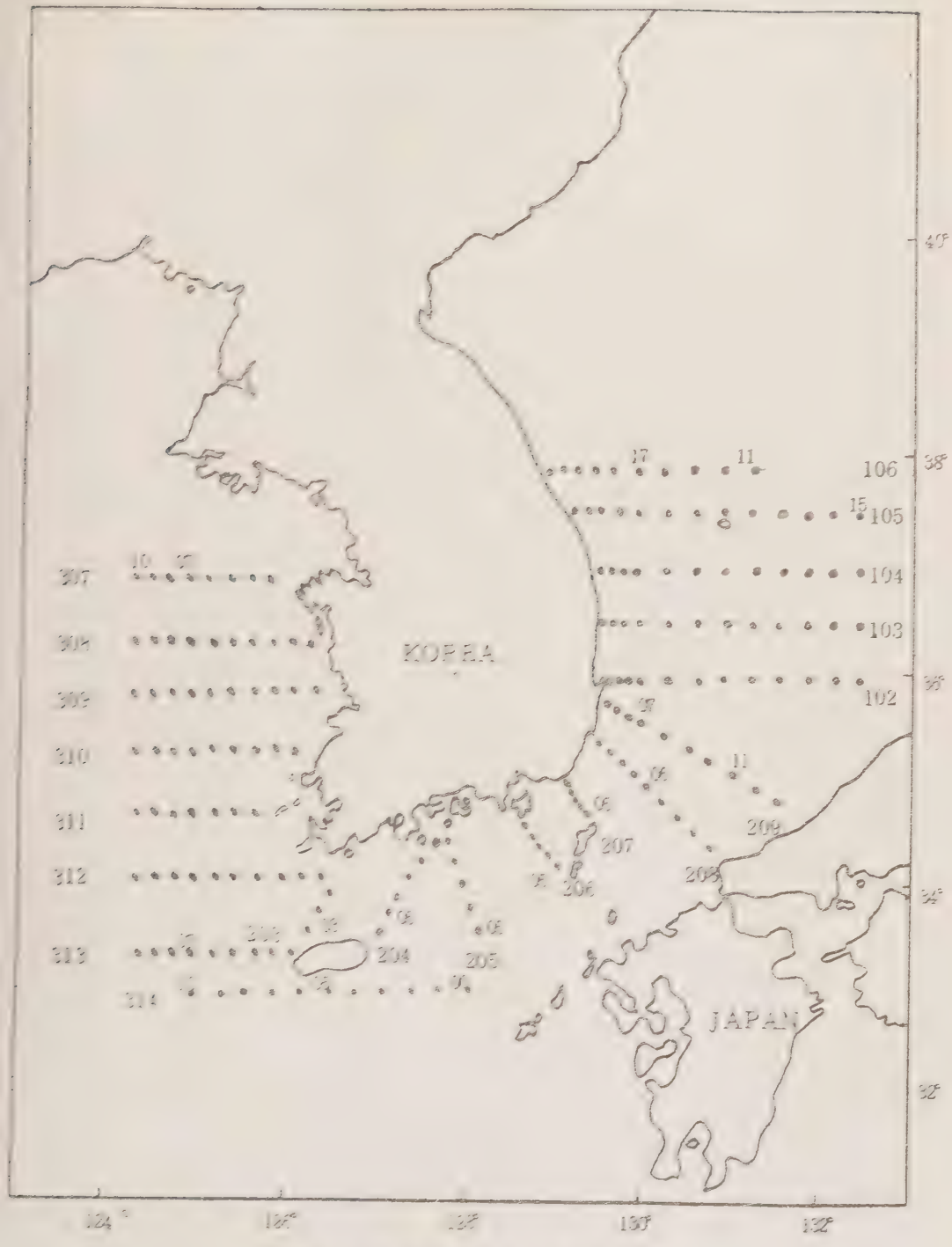
B. 308선 해양관측 성적…… 433
B.Oceanographic Data. Line 308 …… 433

C. 309선 해양관측 성적…… 457
C.Oceanographic Data. Line 309 …… 457

D. 310선 해양관측 성적…… 477
D.Oceanographic Data. Line 310 …… 477

E. 311선 해양관측 성적…… 493
E.Oceanographic Data. Line 311 …… 493

F. 312선 해양관측 성적…… 507
F.Oceanographic Data. Line 312 …… 507



정선 해양관측점 위치도

Location of the Aerial Oceanographic Stations

정선 해양관측점 위치표

Position of the Serial Oceanographic Stations

St.No. / Line	00	01	02	03	04	05
106			37°53.7′ 128°52.5′	37°53.7′ 128°57.2′	37°53.7′ 129°03.8′	37°53. 7′ 129°22 1′
105				37°33.2′ 129°10.3′	37°33.2′ 129°15.5′	37°33. 2′ 129°22. 6′
104					37°03.4′ 129°28.8′	37°03. 4′ 129°33. 6′
103					36°30.3′ 129°30.1′	36°30. 3′ 129°35. 4′
102					36°04.6′ 129°36.9′	36°04. 6′ 129°41. 3′
209					35°47.3′ 129°32.8′	35°45. 4′ 129°38. 4′
208		35°28.5′ 129°27.3′	35°24.3′ 129°33.8′	35°17.8′ 129°42.9′	35°11.1′ 129°52.7′	35°04. 8′ 130°02. 0′
207		35°01.3′ 129°07.2′	34°57.6′ 129°11.2′	34°53.9′ 129°15.4′	34°50.2′ 129°19.5′	34°48. 0′ 129°21. 8′
206		34°35.5′ 128°34.5′	34°29.6′ 128°41.2′	34°22.4′ 128°49.7′	34°15.3′ 128°58.0′	34°08. 1′ 129°06. 3′
205		34°22.3′ 127°48.5′	34°15.0′ 127°52.1′	34°05.5′ 127°56.9′	33°51.5′ 128°03.0′	33°37. 3′ 128°09. 2′
204		34°20.8′ 127°43.9′	34°13.7′ 127°35.4′	34°06.7′ 127°26.8′	33°54.1′ 127°15.2′	33°45. 5′ 127°09. 2′
203		33°56.6′ 126°31.4′	33°47.5′ 126°26.3′	33°38.3′ 126°21.3′		
314	33°00.0′ 128°00.6′	33°00.0′ 127°42.0′	33°00.0′ 127°24.0′	33°00.0′ 127°06.0′	33°00.0′ 126°48.0′	33°00. 0′ 126°30. 0′
313			33°24.4′ 126°00.0′	33°24.4′ 125°48.0′	33°24.4′ 125°36.0′	33°24. 4′ 125°24. 0′
312			33°58.5′ 126°06.0′	33°59.8′ 125°54.0′	34°01.3′ 125°42.0′	34°02. 6′ 125°30. 0′
311					34°43.0′ 125°43.9′	34°43. 0′ 125°31. 9′
310				35°20.1′ 125°49.3′	35°20.1′ 125°36.5′	35°20. 1′ 125°24. 4′
309		35°51.3′ 126°14.7′	35°51.3′ 126°02.0′	35°51.3′ 125°49.3′	35°51.3′ 125°37.0′	35°51. 3′ 125°24. 4′
308		36°19.8′ 126°14.4′	36°19.8′ 126°02.3′	36°19.8′ 125°50.0′	36°19.8′ 125°37.0′	36°19. 8′ 125°25. 3′
307				36°56.5′ 126°00.0′	36°55.5′ 125°37.7′	36°55. 5′ 125°25. 0′

06	07	08	09	10	11
37°53.7′	37°53.7′	37°53.7′	37°53.7′	37°53.7′	37°53.7′
129°41.3′	130°00.0′	130°18.9′	130°37.7′	130°56.5′	131°15.1′
37°33.2′	37°33.2′	37°33.2′	37°33.2′	37°33.2′	37°33.2′
129°41.3′	130°00.0′	130°18.7′	130°37.5′	130°55.9′	131°14.6′
37°03.4′	37°03.4′	37°03.4′	37°03.4′	37°03.4′	37°03.4′
129°47.6′	130°00.0′	130°18.7′	130°37.6′	130°56.4′	131°15.3′
36°30.3′	36°30.3′	36°30.3′	36°30.3′	36°30.3′	36°30.3′
129°47.3′	130°00.0′	130°18.6′	130°37.3′	130°55.6′	131°14.0′
36°04.6′	36°04.6′	36°04.6′	36°04.6′	36°04.6′	36°04.6′
129°47.8′	130°00.0′	130°18.4′	130°36.9′	130°55.1′	131°13.6′
35°41.3′	35°36.8′	35°30.8′	35°24.4′	35°17.8′	35°11.4′
129°49.0′	130°00.3′	130°16.9′	130°33.5′	130°50.0′	131°06.6′
34°58.2′	34°52.6′	34°45.3′	34°38.9′		
130°11.9′	130°20.9′	130°30.6′	130°40.5′		

33°35.8′				
128°03.2′				
33°00.0′	33°00.0′	33°00.0′	33°00.0′	33°00.0′
126°12.0′	125°54.0′	125°36.0′	125°18.0′	125°00.0′
33°24.4′	33°24.4′	33°24.4′	33°24.4′	33°24.4′
125°12.0′	125°00.0′	124°48.0′	124°36.0′	124°24.0′
34°04.1′	34°05.5′	34°05.5′	34°05.5′	34°05.5′
125°18.0′	125°00.0′	124°48.0′	124°36.0′	124°24.0′
34°43.0′	34°43.0′	34°43.0′	34°43.0′	34°43.0′
125°19.4′	125°00.0′	124°47.9′	124°35.8′	124°23.4′
35°20.1′	35°20.1′	35°20.1′	35°20.1′	34°20.1′
125°12.1′	125°00.0′	124°47.9′	124°35.6′	124°23.5′
35°51.3′	35°51.3′	35°51.3′	35°51.3′	35°51.3′
125°12.3′	125°00.0′	124°47.8′	124°35.1′	124°22.8′
36°19.8′	36°19.8′	36°19.8′	36°19.8′	36°19.8′
125°12.4′	125°00.0′	124°47.5′	124°35.1′	124 23.0′
36°55.5′	36°55.5′	36°55.5′	36°55.5′	36°55.5′
125°12.5′	125°00.0′	124°47.5′	124°34.8′	124 22.3′

St. No. / Line	12	13	14	15	16	17
106						
105	37°33.2′ 131°33.8′	37°33.2′ 131°52.2′	37°33.2′ 132°11.2′	37°33.2′ 132°29.8′		
104	37°03.4′ 131°33.8′	37°03.4′ 131°52.6′	37°03.4′ 132°11.6′	37°03.4′ 132°29.5′		
103	36°30.3′ 131°33.1′	36°30.3′ 131°51.2′	36°30.3′ 132°10.1′	36°30.3′ 132°28.5′		
102	36°04.6′ 131°32.3′	36°04.6′ 131°50.6′	36°04.6′ 132°09.0′	36°04.6′ 132°27.3′		
209	35°05.3′ 131°22.6′	34°58.9′ 131°39.1′				
208						
207						
206						
205						
204						
203						
314						
313						
312						
311						
310						
309						
308						
307						

동 해 해 양 조 사 성 적

OCEANOGRAPHIC DATA : EASTERN WATERS

1 9 7 9

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

2 월 (February)

KOREA ,JI RI SAN , STATION 106-02 , 37-537. N, 128-525. E, FEB. 9.1979, 21.20 KST, DEPTH 58 , COLOR , TRANS. ,

WAVE 3, SWELL 2, WIND SW 5, BARO 1021. , AIR TEMP. DRY 10.0, WET . , CLOUD. TYPE , AMT , WEATHER C ,

0	11.70	34.450		0	11.70	34.450	26.24	179	178	.0000
10	11.85	34.480		10	11.85	34.480	26.23	179	179	.0179
20	12.15	34.470		20	12.15	34.470	26.17	185	186	.0362
30	12.20	34.470		30	12.20	34.470	26.16	186	187	.0549
50	12.10	34.490								

KOREA ,JI RI SAN , STATION 106-03 , 37-537. N, 128-572. E, FEB. 9.1979, 20.35 KST, DEPTH 320 , COLOR , TRANS. ,

WAVE 4, SWELL 2, WIND SW 5, BARO 1021. , AIR TEMP. DRY 10.2, WET . , CLOUD. TYPE , AMT , WEATHER C ,

0	11.81	34.430		0	11.81	34.430	26.20	182	182	.0000
10	12.30	34.390		10	12.30	34.390	26.08	194	194	.0188
20	12.35	34.420		20	12.35	34.420	26.09	193	193	.0382
30	12.35	34.420		30	12.35	34.420	26.09	193	193	.0576
50	12.35	34.420		50	12.35	34.420	26.09	193	194	.0964
75	12.35	34.440		75	12.35	34.440	26.11	191	193	.1448
100	10.75	34.430		100	10.75	34.430	26.40	164	166	.1898
125	7.12	34.130		125	7.12	34.180	26.78	128	129	.2267
150	3.75	34.110		150	3.75	34.110	27.13	95	95	.2549
200	1.20	34.030		200	1.20	34.030	27.27	80	80	.2992
250	.90	33.970		250			27.25	83	83	.3403
300	.75	33.950								

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA ,JI RI SAN , STATION 106-04 , 37-537. N, 129-038. E, FEB. 9.1979, 19.40 KST, DEPTH 710 , COLOR , TRANS. . ,																	
WAVE 4, SWELL 2, WIND SW 3, BARO 1021. , AIR TEMP. DRY 9.0, WET . , CLOUD. TYPE NS, AMT 10, WEATHER C ,																	
0	12.40	34.490								0	12.40	34.490		26.14	189	188	.0000
10	12.70	34.490								10	12.70	34.490		26.08	194	194	.0192
20	12.70	34.500								20	12.70	34.500		26.08	193	194	.0386
30	12.80	34.490								30	12.80	34.490		26.06	196	196	.0581
50	12.74	34.490								50	12.74	34.490		26.07	195	196	.0975
75	12.45	34.420								75	12.45	34.420		26.07	195	196	.1466
100	10.95	34.350								100	10.95	34.350		26.30	173	175	.1931
125	10.85	34.340								125	10.85	34.340		26.31	172	175	.2369
150	6.30	34.180								150	6.30	34.180		26.89	117	119	.2737
200	4.00	34.090								200	4.00	34.090		27.08	98	100	.3287
250	2.30	34.080								250	2.30	34.080		27.23	84	85	.3752
300	1.85	34.060								300	1.85	34.060		27.25	83	83	.4175
400	1.04	34.040								400	1.04	34.040		27.29	79	79	.4991
500	.86	34.040															
KOREA ,JI RI SAN , STATION 106-05 , 37-537. N, 129-221. E, FEB. 9.1979, 17.40 KST, DEPTH 1120 , COLOR 3, TRANS. 13.0,																	
WAVE 4, SWELL 2, WIND SW 5, BARO 1021. , AIR TEMP. DRY 9.2, WET . , CLOUD. TYPE NS, AMT 9, WEATHER C ,																	
0	11.80	34.450								0	11.80	34.450		26.22	181	180	.0000
10	12.42	34.490								10	12.42	34.490		26.13	189	189	.0185
20	12.63	34.470								20	12.63	34.470		26.07	194	194	.0377
30	12.69	34.460								30	12.69	34.460		26.06	196	197	.0573
50	12.68	34.490								50	12.68	34.490		26.08	194	195	.0966

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
75	12.70	34.490								75	12.70	34.490		26.08	194	196	.1455
100	12.66	34.490								100	12.66	34.490		26.08	193	196	.1945
125	12.62	34.470								125	12.62	34.470		26.08	194	197	.2437
150	11.40	34.340								150	11.40	34.340		26.21	182	185	.2915
200	9.37	34.050								200	9.37	34.050		26.34	170	173	.3812
250	4.30	34.050								250	4.30	34.050		27.02	104	106	.4513
300	2.64	34.040								300	2.64	34.040		27.17	91	91	.5010
400	2.05	34.050								400	2.05	34.050		27.23	85	86	.5902
500	1.42	34.030															

KOREA ,JI RI SAN , STATION 106-06 , 37-530. N, 129-413. E, FEB. 9.1979, 15.45 KST, DEPTH 1620 , COLOR 3, TRANS. 14. ,

WAVE 4, SWELL 3, WIND SW 5, BARO 1021.5, AIR TEMP. DRY 9.5, WET . , CLOUD. TYPE NS, AMT 9, WEATHER C ,

0	11.90	34.430								0	11.90	34.430		26.18	184	184	.0000
10	12.20	34.450								10	12.20	34.450		26.14	188	188	.0186
20	12.25	34.440								20	12.25	34.440		26.13	189	190	.0375
30	12.30	34.480								30	12.30	34.480		26.15	187	188	.0565
50	12.30	34.450								50	12.30	34.450		26.12	190	191	.0944
75	12.30	34.480								75	12.30	34.480		26.15	187	189	.1420
100	11.00	34.450								100	11.00	34.450		26.37	167	168	.1868
125	10.50	34.480								125	10.50	34.480		26.48	156	158	.2277
150	10.00	34.360								150	10.00	34.360		26.47	157	159	.2676
200	7.50	34.040								200	7.50	34.040		26.61	143	146	.3441
250	3.85	34.060								250	3.85	34.060		27.08	99	101	.4061
300	2.05	34.040								300	2.05	34.040		27.22	85	86	.4532
400	1.80	34.020								400	1.80	34.020		27.22	85	86	.5400
500	1.00	33.990															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA ,JI RI SAN , STATION 106-07 , 37-537. N, 130-000. E, FEB. 9.1979, 13.45 KST, DEPTH 1060 , COLOR 3, TRANS. 15.0,																	
WAVE 4, SWELL 3, WIND SE 5, BARO 1022. , AIR TEMP. DRY 7.0, WET . , CLOUD. TYPE NS, AMT 10, WEATHER C ,																	
0	12.10	34.430								0	12.10	34.430		26.15	187	187	.0000
10	12.23	34.450								10	12.23	34.450		26.14	188	188	.0188
20	12.23	34.450								20	12.23	34.450		26.14	188	189	.0377
30	12.00	34.430								30	12.00	34.430		26.17	186	186	.0565
50	11.42	34.290								50	11.42	34.290		26.17	186	186	.0938
75	10.90	34.290								75	10.90	34.290		26.26	177	178	.1395
100	10.56	34.270								100	10.56	34.270		26.31	172	174	.1837
125	10.36	34.240								125	10.36	34.240		26.32	171	174	.2273
150	9.60	34.170								150	9.60	34.170		26.39	164	167	.2700
200	6.60	34.070								200	6.60	34.070		26.76	129	132	.3449
250	3.33	33.990								250	3.33	33.990		27.07	100	101	.4033
300	1.85	34.200								300	1.85	34.200		27.36	72	73	.4470
400	1.15	34.000								400	1.15	34.000		27.25	82	83	.5252
500	.90	34.010															
KOREA ,JI RI SAN , STATION 106-08 , 37-537. N, 130-189. E, FEB. 9.1979, 11.50 KST, DEPTH 1800 , COLOR 3, TRANS. 12.0,																	
WAVE 4, SWELL 3, WIND SE 6, BARO 1025. , AIR TEMP. DRY 7.5, WET . , CLOUD. TYPE NS, AMT 10, WEATHER C ,																	
0	11.50	34.510								0	11.50	34.510		26.32	171	171	.0000
10	11.74	34.450								10	11.74	34.450		26.23	179	179	.0175
20	11.75	34.460								20	11.75	34.460		26.24	179	179	.0355
30	11.75	34.410								30	11.75	34.410		26.20	183	183	.0537
[illegible]										[illegible]				[illegible]			

OBSERVED									INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
75	10.80	34.290								75	10.80	34.290		26.28	175	176	.1368
100	10.50	34.280								100	10.50	34.280		26.32	171	172	.1805
125	10.34	34.270								125	10.34	34.270		26.34	169	171	.2236
150	9.82	34.220								150	9.82	34.220		26.39	164	167	.2660
200	6.55	34.140								200	6.55	34.140		26.82	123	126	.3393
250	3.25	34.040								250	3.25	34.040		27.12	95	97	.3952
300	2.75	34.040								300	2.75	34.040		27.16	91	92	.4427
400	1.90	34.000								400	1.90	34.000		27.20	87	89	.5336
500	.82	34.020															

KOREA ,JI RI SAN , STATION 106-09 , 37-537. N, 130-377. E, FEB. 9.1979, 09.50 KST, DEPTH 2250 , COLOR 3, TRANS. 12.0,

WAVE 4, SWELL 3, WIND SE 5, BARO 1026. , AIR TEMP. DRY 5.9, WET , CLOUD. TYPE , AMT , WEATHER R ,

0	10.30	34.310								0	10.30	34.310		26.38	165	165	.0000
10	10.95	34.360								10	10.95	34.360		26.31	172	172	.0169
20	10.95	34.340								20	10.95	34.340		26.29	174	174	.0343
30	10.95	34.340								30	10.95	34.340		26.29	174	174	.0517
50	10.91	34.330								50	10.91	34.330		26.29	174	175	.0867
75	10.70	34.290								75	10.70	34.290		26.30	173	175	.1305
100	10.50	34.290								100	10.50	34.290		26.33	170	172	.1739
125	10.35	34.250								125	10.35	34.250		26.33	170	173	.2171
150	9.94	34.200								150	9.94	34.200		26.36	167	170	.2601
200	6.50	34.090								200	6.50	34.090		26.79	126	129	.3351
250	3.10	34.010								250	3.10	34.010		27.11	96	97	.3919
300	1.60	34.010								300	1.60	34.010		27.23	85	85	.4378
400	.94	34.050								400	.94	34.050		27.31	77	77	.5195
500	.78	34.060															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	Si	PH	DEPTH	TEMP	SAL	[illegible]	SIGMA-T	D-T	SVA	D-DY
KOREA ,JI RI SAN , STATION 106-10 , 37-537. N, 130-365. E, FEB. 9.1979, 07.50 KST, DEPTH 1980 , COLOR 3, TRANS. 11.0																	
WAVE 4, SWELL 3, WIND SE 5, BARO 1027. , AIR TEMP. DRY 6.5, WET . , CLOUD. TYPE NS, AMT 10, WEATHER C																	
0	11.29	34.440								0	11.29	34.440		26.31	172	172	.0000
10	12.43	34.460								10	12.43	34.460		26.11	191	19.	.0182
20	12.35	34.480								20	12.35	34.480		26.14	188	189	.0373
30	12.34	34.420								30	12.34	34.420		26.09	193	193	.0564
50	12.03	34.360								50	12.03	34.360		26.11	191	192	.0950
75	11.60	34.330								75	11.60	34.330		26.16	186	187	.1426
100	11.35	34.280								100	11.35	34.280		26.17	185	187	.1895
125	11.05	34.310								125	11.05	34.310		26.25	178	180	.2355
150	10.85	34.290								150	10.85	34.290		26.27	176	179	.2805
200	10.20	34.220								200	10.20	34.220		26.33	170	174	.3690
250	5.79	34.130								250	5.79	34.130		26.91	115	118	.4421
300	2.90	34.040								300	2.90	34.040		27.15	92	94	.4952
400	1.02	34.010								400	1.02	34.010		27.27	81	81	.5830
500	.70	33.980															
KOREA ,JI RI SAN , STATION 106-11 , 37-537. N, 131-151. E, FEB. 9.1979, 05.50 KST, DEPTH 2070 , COLOR , TRANS.																	
WAVE 4, SWELL 3, WIND S 5, BARO 1027. , AIR TEMP. DRY 7.0, WET . , CLOUD. TYPE , AMT , WEATHER C ,																	
0	11.63	34.030								0	11.63	34.030		25.93	208	208	.0000
10	11.78	34.390								10	11.78	34.390		26.18	185	185	.0197
20	11.75	34.410								20	11.75	34.410		26.20	183	183	.0381
30	11.75	34.420								30	11.75	34.420		26.21	182	182	.0564
50	11.75	34.340								50	11.75	34.340		26.14	188	189	.0936

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
75	11.22	34.320								75	11.22	34.320		26.23	180	181	.1400
100	11.10	34.320								100	11.10	34.320		26.25	178	180	.1852
125	10.75	34.250								125	10.75	34.250		26.26	177	179	.2303
150	10.43	34.240								150	10.43	34.240		26.30	172	175	.2747
200	7.80	34.170								200	7.80	34.170		26.67	138	141	.3540
250	4.40	34.100								250	4.40	34.100		27.05	102	104	.4153
300	2.20	34.040								300	2.20	34.040		27.21	87	88	.4634
400	.88	34.030								400	.88	34.030		27.30	78	79	.5469
500	.73	34.050															

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KOREA ,JI RI SAN , STATION 106-02 , 37-537. N, 128-525. E, APR.21.1979, 05.50 KST, DEPTH 58 , COLOR 3, TRANS. 6.0,

WAVE 1, SWELL 1, WIND NW 3, BARO 1017. , AIR TEMP. DRY 13.0, WET . , CLOUD. TYPE CI, AMT 2, WEATHER 8 ,

0	13.60	34.290								0	13.60	34.290		25.74	226	226	.0000
10	12.64	34.250								10	12.64	34.250		25.90	211	211	.0219
20	12.08	34.230								20	12.08	34.230		26.00	202	202	.0425
30	11.23	34.200								30	11.23	34.200		26.13	189	189	.0622
50	10.20	34.160															

KOREA ,JI RI SAN STATION 106-03 , 37-537. N, 128-572. E, APR.21.1979, 06.25 KST, DEPTH 320 , COLOR 3, TRANS. 8.0,

WAVE 1, SWELL 1, WIND NW 2, BARO 1017. , AIR TEMP. DRY 13.4, WET . , CLOUD. TYPE CI, AMT 2, WEATHER 8 ,

0	11.91	34.260								0	11.91	34.260		26.05	197	196	.0000
10	11.59	34.130								10	11.59	34.130		26.01	200	200	.0199
20	8.00	34.040								20	8.00	34.040		26.54	150	150	.0374
30	6.21	33.970								30	6.21	33.970		26.73	132	132	.0516

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
50	4.10	33.890								50	4.10	33.890		26.92	114	115	.0763
75	3.98	33.900								75	3.98	33.900		26.94	113	113	.1049
100	1.63	33.800								100	1.63	33.800		27.06	101	101	.1317
125	1.51	33.800								125	1.51	33.800		27.07	100	100	.1569
150	1.03	33.800								150	1.03	33.800		27.10	97	97	.1816
200	.70	34.130								200	.70	34.130		27.39	70	70	.2234
250	.57	34.150								250	.57	34.150		27.41	68	67	.2579
315	.40	34.000															

KOREA ,JI RI SAN , STATION 106-04 , 37-537. N, 129-038. E, APR.21.1979, 07.15 KST, DEPTH 710 , COLOR 3, TRANS. 7.0,

WAVE 1, SWELL .1, WIND NW 2, BARO 1017. , AIR TEMP. DRY 15.6, WET , CLOUD. TYPE CI, AMT 3, WEATHER 8 ,

0	12.04	34.240								0	12.04	34.240		26.01	200	200	.0000
10	12.69	34.250								10	12.69	34.250		25.89	212	212	.0206
20	12.00	34.220								20	12.00	34.220		26.00	201	201	.0413
30	7.32	34.020								30	7.32	34.020		26.62	142	142	.0585
50	5.75	33.930								50	5.75	33.930		26.76	129	130	.0858
75	3.62	33.860								75	3.62	33.860		26.94	112	112	.1162
100	2.15	33.810								100	2.15	33.810		27.03	104	104	.1433
125	1.92	33.800								125	1.92	33.800		27.04	103	103	.1693
150	1.40	33.800								150	1.40	33.800		27.08	99	99	.1947
200	1.09	33.790								200	1.09	33.790		27.09	98	98	.2442
250	.72	33.800								250	.72	33.800		27.12	95	95	.2926
300	.59	******								300	.59	******		*****	***	***	*******
400	.49	33.800								400	.49	33.800		27.13	94	93	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,JI RI SAN , STATION 106-05 , 37-537. N, 129-221. E, APR.21.1979, 09.05 KST, DEPTH 1120 , COLOR 3, TRANS. 8.0,

WAVE 1, SWELL 1, WIND NW 2, BARO 1013. , AIR TEMP. DRY 15.9, WET . , CLOUD. TYPE CI, AMT 3, WEATHER B ,

0	12.55	34.220								0	12.55	34.220		25.90	211	211	.0000
10	12.72	34.240								10	12.72	34.240		25.88	213	213	.0212
20	12.23	34.240								20	12.23	34.240		25.97	204	204	.0421
30	8.99	34.140								30	8.99	34.140		26.47	157	157	.0602
50	7.34	34.040								50	7.34	34.040		26.64	141	141	.0902
75	4.76	33.920								75	4.76	33.920		26.87	119	119	.1229
100	2.50	33.820								100	2.50	33.820		27.01	106	106	.1512
125	2.49	33.810								125	2.49	33.810		27.00	106	107	.1779
150	1.78	33.800								150	1.78	33.800		27.05	102	102	.2040
200	1.25	33.780								200	1.25	33.780		27.07	100	100	.2547
250	.86	33.780								250	.86	33.780		27.10	97	97	.3042
300	.72	33.800								300	.72	33.800		27.12	95	95	.3524
400	.59	33.820								400	.59	33.820		27.14	93	92	.4465
500	.51	33.810															

KOREA ,JI RI SAN , STATION 106-06 , 37-530. N, 129-413. E, APR.21.1979, 11.00 KST, DEPTH 1620 , COLOR 3, TRANS. 10.0,

WAVE 1, SWELL 1, WIND NW 2, BARO 1013. , AIR TEMP. DRY 15.4, WET . , CLOUD. TYPE CI, AMT 3, WEATHER B ,

0	13.59	34.300								0	13.59	34.300		25.75	225	225	.0000
10	13.80	34.330								10	13.80	34.330		25.73	227	227	.0226
20	13.72	34.330								20	13.72	34.330		25.75	225	226	.0453
30	13.23	34.330								30	13.23	34.330		25.85	216	216	.0675
50	12.20	34.340								50	12.20	34.340		26.06	196	197	.1089

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA T	D-T	SVA	D-DY
75	12.10	34.250								75	12.10	34.250		26.01	201	202	.1589
100	10.29	34.130								100	10.29	34.130		26.24	178	180	.2068
125	9.69	34.110								125	9.69	34.110		26.33	170	172	.2510
150	8.12	34.050								150	8.12	34.050		26.53	151	153	.2918
200	5.10	33.940								200	5.10	33.940		26.85	121	123	.3611
250	1.99	33.910								250	1.99	33.910		27.12	95	95	.4159
300	1.12	33.790								300	1.12	33.790		27.09	98	98	.4646
400	.86	33.800								400	.86	33.800		27.11	96	96	.5621
500	.69	33.790															

KOREA ,JI RI SAN , STATION 106-07 , 37-537. N, 130-000. E, APR.21.1979, 12.50 KST, DEPTH 1060 , COLOR 3, TRANS. 10.0,

WAVE 1, SWELL 1, WIND NE 2, BARO 1019. , AIR TEMP. DRY 14.2, WET , CLOUD. TYPE CI, AMT 3, WEATHER B ,

0	13.30	34.260								0	13.30	34.260		25.78	222	222	.0000
10	13.40	34.320								10	13.40	34.320		25.80	220	220	.0221
20	13.40	34.330								20	13.40	34.330		25.81	219	219	.0442
30	12.58	34.290								30	12.58	34.290		25.95	207	207	.0655
50	11.70	34.260								50	11.70	34.260		26.09	193	194	.1057
75	10.71	34.190								75	10.71	34.190		26.22	181	182	.1528
100	10.40	34.150								100	10.40	34.150		26.24	179	180	.1982
125	10.00	34.150								125	10.00	34.150		26.31	172	174	.2427
150	7.81	34.150								150	7.81	34.150		26.66	139	141	.2823
200	3.00	34.110								200	3.00	34.110		27.20	88	89	.3401
250	1.52	34.070								250	1.52	34.070		27.28	79	80	.3825
300	.90	34.020								300	.90	34.020		27.29	79	79	.4225
400	.67	33.940								400	.67	33.940		27.24	84	84	.5046

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SA.	02	SIGMA-T	D-T	SVA	D DY
KOREA ,JI RI SAN , STATION 106-08 , 37-537. N, 130-1[illegible]. E, APR.21.1979, 14.45 KST, DEPTH 1800 , COLOR 3, TRANS. 7.0,																	
WAVE 1, SWELL 1, WIND NE 2, BARO 1012. , AIR TEMP. DRY 16.5, WET . , CLOUD. TYPE CI, AMT 3, WEATHER B ,																	
0	11.11	34.170								0	11.11	34.170		26.13	189	189	.0000
10	11.08	34.210								10	11.08	34.210		26.17	186	186	.0188
20	10.98	34.210								20	10.98	34.210		26.18	184	184	.0373
30	10.78	34.180								30	10.78	34.180		26.20	183	183	.0557
50	10.69	34.170								50	10.69	34.170		26.20	182	183	.0924
75	10.45	34.150								75	10.45	34.150		26.23	179	181	.1379
100	10.40	34.140								100	10.40	34.140		26.23	179	181	.1833
125	9.95	34.130								125	9.95	34.130		26.30	173	175	.2279
150	7.73	34.150								150	7.73	34.150		26.67	138	140	.2675
200	3.21	34.140								200	3.21	34.140		27.20	87	88	.3249
250	1.61	34.070								250	1.61	34.070		27.28	80	80	.3673
300	.93	34.020								300	.93	34.020		27.28	80	80	.4076
400	.69	33.940								400	.69	33.940		27.23	84	84	.4899
500	.60	33.800															
KOREA ,JI RI SAN , STATION 106-09 , 37-537. N, 130-[illegible]. E, APR.21.1979, 16.40 KST, DEPTH 2250 , COLOR 3, TRANS. 8.0,																	
WAVE 1, SWELL 1, WIND NE 2, BARO 1012. , AIR TEMP. DRY 16.5, WET . , CLOUD. TYPE CI, AMT 3, WEATHER B ,																	
0	10.10	34.200								0	10.10	34.200		26.33	170	170	.0000
10	10.80	34.180								10	10.80	34.180		26.19	183	183	.0177
20	10.16	34.180								20	10.16	34.180		26.30	172	173	.0355
30	10.16	34.180								30	10.16	34.180		26.30	172	173	.0528
50	10.00	34.110								50	10.00	34.110		26.28	175	176	.0878

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
75	9.41	34.120								75	9.41	34.120		26.38	165	166	.1306
100	9.00	34.130								100	9.00	34.130		26.46	158	159	.1715
125	8.24	34.140								125	8.24	34.140		26.58	146	148	.2100
150	7.10	34.140								150	7.10	34.140		26.75	130	132	.2451
200	3.92	34.140								200	3.92	34.140		27.13	94	95	.3023
250	1.78	34.120								250	1.78	34.120		27.31	77	78	.3459
300	.95	34.020								300	.95	34.020		27.28	80	80	.3855
400	.70	33.980								400	.70	33.980		27.27	81	81	.4664
500	.61	33.840															

KOREA ,JI RI SAN , STATION 106-10 , 37-537. N, 130-565. E, APR.21.1979, 18.40 KST, DEPTH 1980 , COLOR 3, TRANS. 6.0,

WAVE 1, SWELL 1, WIND NE 2, BARO 1020. , AIR TEMP. DRY 11.5, WET . , CLOUD. TYPE CI, AMT 4, WEATHER BC,

0	9.03	34.330								0	9.03	34.330		26.61	144	143	.0000
10	9.28	34.180								10	9.28	34.180		26.45	158	158	.0151
20	9.30	34.180								20	9.30	34.180		26.45	159	159	.0310
30	9.25	34.170								30	9.25	34.170		26.45	159	159	.0470
50	9.10	34.180								50	9.10	34.180		26.48	156	156	.0786
75	9.05	34.160								75	9.05	34.160		26.47	156	158	.1180
100	8.94	34.330								100	8.94	34.330		26.62	142	144	.1558
125	8.41	34.140								125	8.41	34.140		26.56	146	150	.1927
150	7.60	34.130								150	7.60	34.130		26.67	138	140	.2291
200	3.85	34.120								200	3.85	34.120		27.12	95	96	.2885
250	1.72	34.020								250	1.72	34.020		27.23	85	85	.3339
300	.92	33.950								300	.92	33.950		27.23	85	85	.3766
400	.68	33.820															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D DY
0	8.98	34.170								0	8.98	34.170		26.49	155	154	.0000
10	9.60	34.170								10	9.60	34.170		26.39	164	164	.0160
20	9.49	34.180								20	9.49	34.180		26.42	162	162	.0323
30	9.47	34.170								30	9.47	34.170		26.41	162	162	.0486
50	9.42	34.170								50	9.42	34.170		26.42	161	162	.0811
75	9.30	34.170								75	9.30	34.170		26.44	160	161	.1216
100	9.28	34.150								100	9.28	34.150		26.43	161	162	.1621
125	9.23	34.150								125	9.23	34.150		26.44	160	162	.2026
150	9.08	34.120								150	9.08	34.120		26.44	160	162	.2435
200	7.29	34.070								200	7.29	34.070		26.67	138	141	.3195
250	3.36	33.930								250	3.36	33.930		27.02	105	106	.3815
300	1.51	33.820								300	1.51	33.820		27.09	98	99	.4329
400	.75	33.780								400	.75	33.780		27.10	97	97	.5310
500	.49	33.790															

6 월 (June)

KOREA ,JI RI SAN , STATION 106-02 , 37-537. , 128-525. E, JUN.15.1979, 07:15 KST, DEPTH 58 , COLOR 4, TRANS. 9.0,

WAVE 1, SWELL 1, WIND SE 2, BARO 1016. , AIR TEMP. DRY 20.0, WET , CLOUD. TYPE AC, AMT 7, WEATHER BC,

0	17.45	33.790								0	17.45	33.790		24.50	344	344	.0000
10	13.47	34.150								10	13.47	34.150		25.66	234	234	.0289
20	10.40	34.260								20	10.40	34.260		26.33	170	171	.0492
30	9.30	34.260								30	9.30	34.260		26.51	153	153	.0654
50	5.70	34.170															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA ,JI RI SAN , STATION 106-03 , 37-537. N, 128-572. E, JUN.15.1979, 06.30 KST, DEPTH 320 , COLOR 3, TRANS. 12.0,																	
WAVE 1, SWELL 1, WIND SW 2, BARO 1016. , AIR TEMP. DRY 19.5, WET . , CLOUD. TYPE AC, AMT 9, WEATHER C ,																	
0	15.90	33.870								0	15.90	33.870		24.92	304	304	.0000
10	11.50	34.200								10	11.50	34.200		26.08	194	194	.0249
20	6.35	34.140								20	6.35	34.140		26.85	121	121	.0407
30	4.61	34.080								30	4.61	34.080		27.01	105	105	.0520
50	2.72	34.000								50	2.72	34.000		27.13	94	94	.0720
75	2.50	34.040								75	2.50	34.040		27.19	89	89	.0950
100	2.19	34.000								100	2.19	34.000		27.18	90	90	.1175
125	1.52	33.980								125	1.52	33.980		27.21	86	86	.1396
150	1.40	34.020								150	1.40	34.020		27.25	82	83	.1608
200	.92	34.040								200	.92	34.040		27.30	78	78	.2012
250	.83	34.010								250	.83	34.010		27.28	80	80	.2408
300	.62	34.020															
KOREA ,JI RI SAN , STATION 106-04 , 37-537. N, 129-038. E, JUN.15.1979, 05.40 KST, DEPTH 710 , COLOR , TRANS. .																	
WAVE 1, SWELL 1, WIND SW 2, BARO 1016. , AIR TEMP. DRY 17.7, WET . , CLOUD. TYPE , AMT , WEATHER B ,																	
0	16.95	34.040								0	16.95	34.040		24.81	315	314	.0000
10	12.09	34.220								10	12.09	34.220		25.99	203	203	.0259
20	7.62	34.190								20	7.62	34.190		26.71	134	134	.0428
30	6.62	34.140								30	6.62	34.140		26.81	124	124	.0557
50	4.88	34.130								50	4.88	34.130		27.02	104	105	.0787

OBSERVED										INTERPOLATED			CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D T	SVA	D DY
75	3.08	34.050								75	3.08	34.050		27.14	93	93	.1035
100	1.82	34.000								100	1.82	34.000		27.21	87	87	.1262
125	1.71	34.010								125	1.71	34.010		27.22	85	85	.1478
150	1.24	34.020								150	1.24	34.020		27.26	81	81	.1688
200	.88	34.020								200	.88	34.020		27.29	79	79	.2092
250	.61	34.000								250	.61	34.000		27.29	79	79	.2490
300	.48	34.020								300	.48	34.020		27.31	77	77	.2881
400	.41	34.030								400	.41	34.030		27.32	76	75	.3646
500	.39	34.)															

KOREA , JI RI SAN , STATION 106-05 , 37-537. N, 129-221. E, JUN.15.1979, 03.45 KST, DEPTH 112m , COLOR , TRANS. ,

WAVE 1, SWELL 1, WIND SW 2, BARO 1016. , AIR TEMP. DRY 17.2, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	17.62	34.040					0	17.62	34.040		24.65	330	330	.0000
10	17.42	34.000					10	17.42	34.000		24.67	328	328	.0329
20	13.98	34.240					20	13.~~30~~	34.240		25.62	237	237	.0613
30	12.50	34.240					30	12.50	34.240		25.92	209	209	.0838
50	6.75	34.200					50	6.75	34.200		26.84	123	122	.1148
75	3.42	34.080					75	3.42	34.080		27.13	[illegible]	94	.1439
100	2.76	34.01[illegible]					100	2.76	34.01[illegible]		27.14	[illegible]	94	.1675
125	1.85	33.99[illegible]					125	1.85	33.990		27.[illegible]	[illegible]	8[illegible]	.1905
150	1.39	34.[illegible]					150	1.39	34.010		27.[illegible]	[illegible]	93	.2118
200	.75	34.[illegible]					200	.75	34.020		27.30	[illegible]	78	.2524
250	.72	34.0[illegible]					250	.72	34.[illegible]0		27.[illegible]	[illegible]	80	.2923
300	.59	34.000					300	.[illegible]	[illegible]		27.[illegible]	[illegible]	7[illegible]	.3320
400	.41	34.02[illegible]					400	.[illegible]	[illegible]		27.[illegible]	77	76	.4100
500	.[illegible]	34.010															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	S..	02	P	TOTAL P	NO2 N	NO3-N	Si	PH	DEPTH	TEMP	SAL	02		D-T	SVA	D DY
KOREA	,JI	SI	SAN	, STATION 106-06 , 37-53. N, 129-41. E, JUN.15.1979, 01.55 KST. DEPTH 1620						, COLOR		, TRANS.					
WAVE	1, SWELL		1, WIND SW	2, BARO 1016. , AIR TEMP. DRY 16.0, WET		. , CLOUD. TYPE		, AMT		, WEATHER B							
0	17.38	34.090								0	17.38	34.090		24.75	321	320	.0000
10	16.42	34.240								10	16.42	34.240		25.09	288	288	.0305
20	15.38	34.480								20	15.38	34.480		25.51	248	249	.0574
30	14.54	34.410								30	14.54	34.410		25.64	236	237	.0817
50	13.94	34.440								50	13.94	34.440		25.79	222	223	.1277
75	11.80	34.440								75	11.80	34.440		26.21	181	183	.1785
100	9.50	34.320								100	9.50	34.320		26.53	152	153	.2206
125	8.32	34.330								125	8.32	34.330		26.72	133	135	.2568
150	6.42	34.200								150	6.42	34.200		26.89	117	119	.2886
200	4.10	34.110								200	4.10	34.110		27.09	98	99	.3435
250	2.59	34.020								250	2.59	34.020		27.16	91	92	.3916
300	.82	34.020								300	.82	34.020		27.29	79	79	.4346
400	.69	34.000								400	.69	34.000		27.28	80	79	.5142
500	.47	34.000															
KOREA	,JI	RI	SAN	, STATION 106-07 , 37-537. N, 130-000. E, JUN.15.1979, 00.00 KST, DEPTH 1060						, COLOR		, TRANS.					
WAVE	1, SWELL		1, WIND SE	2, BARO 1016. , AIR TEMP. DRY 19.0, WET		. , CLOUD. TYPE		, AMT		, WEATHER B ,							
0	18.40	34.200								0	18.40	34.200		24.58	336	336	.0000
10	16.85	34.300								10	16.85	34.300		25.03	293	293	.0315
20	15.20	34.370								20	15.20	34.370		25.46	253	253	.0589
30	12.55	34.420								30	12.55	34.420		26.05	196	197	.0814

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA T	D-T	SVA	D-DY
75	10.75	34.360								75	10.75	34.360		26.34	169	170	.1612
100	10.56	34.360								100	10.56	34.360		26.38	166	168	.2036
125	10.38	34.360								125	10.38	34.360		26.41	163	165	.2453
150	9.98	34.340								150	9.98	34.340		26.46	158	160	.2862
200	6.90	34.180								200	6.90	34.180		26.81	125	127	.3584
250	4.16	34.070								250	4.16	34.070		27.05	102	103	.4163
300	1.88	34.010								300	1.88	34.010		27.21	87	87	.4642
400	1.04	34.000								400	1.04	34.000		27.26	82	82	.5493
500	.73	34.040															

KOREA ,JI RI SAN , STATION 106-08 , 37-53.7. N, 130-18.9. E, JUN.14.1979, 22.10 KST, DEPTH 1800 , COLOR TRANS.

WAVE 2, SWELL 1, WIND SE 3, BARO 1016. , AIR TEMP. DRY 19.0, WET . , CLOUD. TYPE , AMT , WEATHER 8 ,

0	18.30	34.330								0	18.30	34.330		24.70	325	324	.0000
10	17.05	34.340								10	17.09	34.340		25.02	295	295	.0310
20	15.12	34.410								20	15.12	34.410		25.51	248	248	.0582
30	12.90	34.430								30	12.90	34.430		25.99	202	203	.0808
50	11.29	34.420								50	11.29	34.420		26.29	174	175	.1187
75	10.55	34.380								75	10.55	34.380		26.39	164	165	.1613
100	10.42	34.360								100	10.42	34.360		26.40	163	165	.2027
125	10.30	34.360								125	10.30	34.360		26.42	161	164	.2440
150	9.80	34.320								150	9.80	34.320		26.48	156	159	.2845
200	7.80	34.220								200	7.80	34.220		26.71	134	137	.3587
250	4.87	34.110								250	4.87	34.110		27.01	106	108	.4202
300	2.52	34.020								300	2.52	34.020		27.17	91	92	.4704
400	1.10	******								400	1.10	******		*****	***	***	******
500	.90	******															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D DY
KOREA ,JI RI SAN , STATION 106-09 , 37-537. N, 130-377. E, JUN.14.1979, 20.15 KST, DEPTH 2250 , COLOR , TRANS.																	
WAVE 1, SWELL 1, WIND SE 3, BARO 1016. , AIR TEMP. DRY 19.3, WET . , CLOUD. TYPE , AMT , WEATHER B ,																	
0	18.60	34.250								0	18.60	34.250		24.57	338	337	.0000
10	17.54	34.250								10	17.54	34.250		24.83	313	313	.0325
20	16.39	34.320								20	16.39	34.320		25.35	262	262	.0623
30	12.90	34.520								30	12.90	34.520		26.06	196	196	.0863
50	11.03	34.380								50	11.03	34.380		26.31	172	173	.1233
75	9.70	34.340								75	9.70	34.340		26.51	153	154	.1644
100	8.20	34.280								100	8.20	34.280		26.70	135	136	.2009
125	7.70	34.210								125	7.70	34.210		26.72	133	135	.2349
150	5.79	34.120								150	5.79	34.120		26.91	115	117	.2665
200	2.96	34.040								200	2.96	34.040		27.15	93	94	.3194
250	1.93	34.020								250	1.93	34.020		27.21	86	87	.3648
300	1.12	34.020								300	1.12	34.020		27.27	81	81	.4069
400	.78	34.030								400	.78	34.030		27.30	78	78	.4868
500	.60	34.030															
KOREA ,JI RI SAN , STATION 106-10 , 37-537. N, 130-565. E, JUN.14.1979, 18.25 KST, DEPTH 1980 , COLOR 3, TRANS. 18.0,																	
WAVE 1, SWELL 1, WIND SE 3, BARO 1015.5, AIR TEMP. DPY 20.8, WET . , CLOUD. TYPE , AMT , WEATHER B ,																	
0	19.10	34.260								0	19.10	34.260		24.45	349	349	.0000
10	17.66	34.270								10	17.66	34.270		24.82	314	314	.0332
20	13.80	34.360								20	13.80	34.360		25.75	225	225	.0602
30	11.42	34.390								30	11.42	34.390		26.24	178	179	.0804

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
75	8.90	34.290								75	8.90	34.290		26.60	145	146	.1536
100	7.38	34.270								100	7.38	34.270		26.81	124	126	.1876
125	6.80	34.160								125	6.80	34.160		26.81	125	126	.2193
150	5.20	34.110								150	5.20	34.110		26.97	109	111	.2491
200	2.62	34.020								200	2.62	34.020		27.16	91	92	.3001
250	1.70	34.020								250	1.70	34.020		27.23		85	.3446
300	.97	34.020								300	.97	34.020		27.28	80	80	.3860
400	.78	34.020								400	.78	34.020		27.29	79	79	.4657
500	.60	34.060															

KOREA ,JI RI SAN , STATION 106-11 , 37-537. N, 131-151. E, JUN.14.1979, 16.30 KST, DEPTH 2070 , COLOR TRANS. 19.0,

WAVE 1, SWELL 1, WIND SE 3, BARO 1016. , AIR TEMP. DRY 26.4, WET . , CLOUD. TYPE , AMT WEATHER B ,

0	19.55	34.270								0	19.55	34.270		24.34	359	359	.0000
10	17.83	34.310								10	17.83	34.310		24.81	315	315	.0337
20	15.82	34.450								20	15.82	34.450		25.38	260	260	.0626
30	13.81	34.450								30	13.81	34.450		25.82	218	219	.0866
50	12.04	34.480								50	12.04	34.480		26.20	183	184	.1269
75	10.80	34.400								75	10.80	34.400		26.36	167	168	.1710
100	10.35	34.360								100	10.35	34.360		26.41	162	164	.2127
125	9.83	34.340								125	9.83	34.340		26.49	155	158	.2530
150	9.20	34.310								150	9.20	34.310		26.57	148	150	.2916
200	6.82	34.190								200	6.82	34.190		26.83	123	126	.3608
250	4.28	34.070								250	4.28	34.070		27.04	103	105	.4186
300	2.03	34.020								300	2.03	34.020		27.21	87	88	.4669
400	1.92	34.050								400	1.92	34.050		27.24	84	85	.5532
500	.82	******															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D T	SVA	D DY

8월 (August)

KOREA ,JI RI SAN , STATION 106-02 , 37-537. N, 128-525. E, AUG. 9.1979, 12.50 KST, DEPTH 58 , COLOR 2, TRANS. 12.0,

WAVE 1, SWELL 1, WIND SE 2, BARO 1009.5, AIR TEMP. DRY 24.7, WET . , CLOUD. TYPE AC, AMT 1, WEATHER B ,

0	21.35	33.180								0	21.85	33.180		22.90	497	496	.0000
10	14.45	34.140								10	14.45	34.140		25.45	254	254	.0376
20	12.83	34.280								20	12.83	34.280		25.89	212	212	.0609
30	10.61	34.260								30	10.61	34.260		26.29	174	174	.0803
50	7.80	34.210															

KOREA ,JI RI SAN , STATION 106-03 , 37-537. N, 128-572. E, AUG. 9.1979, 11.55 KST, DEPTH 320 , COLOR 2, TRANS. 16.0,

WAVE 1, SWELL 1, WIND SE 2, BARO 1010. , AIR TEMP. DRY 24.8, WET . , CLOUD. TYPE AC, AMT 2, WEATHER B ,

0	23.90	33.310								0	23.90	33.310		22.42	543	543	.0000
10	14.20	34.030								10	14.20	34.030		25.42	257	257	.0400
20	10.27	34.180								20	10.27	34.180		26.29	174	174	.0616
30	4.93	34.110								30	4.93	34.110		27.00	106	107	.0757
50	2.94	34.060								50	2.94	34.060		27.16	91	91	.0956
75	1.65	34.000								75	1.65	34.000		27.22	86	86	.1178
100	1.13	33.990								100	1.13	33.990		27.25	83	83	.1390
125	.90	34.020								125	.90	34.020		27.29	79	79	.1594
150	.88	34.000								150	.88	34.000		27.27	81	81	.1795
200	.62	34.020								200	.62	34.020		27.30	78	77	.2192
250	.63	34.040								250	.63	34.040		27.32	76	76	.2579
300	.56	34.040															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D T	SVA	D DY
KOREA ,JI RI SAN , STATION 106-04 , 37-537. N, 129-038. E, AUG. 9.1979, 11.00 KST, DEPTH 71[illegible] , COLOR 2, TRANS. 13.0,																	
WAVE 1, SWELL 1, WIND E 1, BARO 1010.5, AIR TEMP. DRY 25.0, WET . , CLOUD. TYPE AC, AMT 2, WEATHER B ,																	
0	23.20	33.390								0	23.20	33.390		22.68	518	518	.0000
10	22.48	33.430								10	22.48	33.430		22.91	495	495	.0507
20	10.27	34.180								20	10.27	34.180		26.29	174	174	.0842
30	8.21	34.230								30	8.21	34.230		26.66	139	139	.1000
50	5.39	34.150								50	5.39	34.150		26.98	109	109	.1249
75	2.85	34.080								75	2.85	34.080		27.19	89	89	.1497
100	1.85	34.020								100	1.85	34.020		27.22	86	86	.1716
125	1.38	33.980								125	1.38	33.980		27.22	85	85	.1931
150	1.27	34.000								150	1.27	34.000		27.25	83	83	.2143
200	.83	34.020								200	.83	34.020		27.29	79	79	.2551
250	.70	34.020								250	.70	34.020		27.30	78	78	.2945
300	.58	34.020								300	.58	34.020		27.31	78	77	.3336
400	.47	34.020								400	.47	34.020		27.31	77	77	.4110
500	.41	34.030															
KOREA ,JI RI SAN , STATION 106-05 , 37-537. N, 129-[illegible] E, AUG. 9.1979, 09.00 KST, DEPTH 112[illegible] , COLOR 2, TRANS. 14.0,																	
WAVE 1, SWELL 1, WIND SE 3, BARO 1011. , AIR TEMP. DRY 23.2, WET . , CLOUD. TYPE AC, AMT 2, WEATHER B ,																	
0	22.91	33.230								0	22.91	33.230		22.64	522	521	.0000
10	18.91	33.550								10	18.91	33.550		23.96	3[illegible]	496	.0459
20	12.72	34.210								20	12.72	34.210		25.86	215	215	.0765
30	10.21	34.220								30	10.21	34.220		26.33	171	171	.0958
50	7.21	34.100								50	7.21	34.100		26.70	135	135	.1265

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
75	4.23	34.240								75	4.23	34.240		27.18	89	90	.1548
100	3.39	34.090								100	3.39	34.090		27.15	93	93	.1778
125	2.49	34.020								125	2.49	34.020		27.17	90	91	.2009
150	1.83	34.000								150	1.83	34.000		27.21	87	87	.2232
200	1.25	34.010								200	1.25	34.010		27.26	82	82	.2658
250	.89	34.020								250	.89	34.020		27.29	79	79	.3065
300	.67	34.020								300	.67	34.020		27.30	78	78	.3460
400	.49	34.030								400	.49	34.030		27.32	76	76	.4234
500	.47	34.040															

KOREA ,JI RI SAN , STATION 106-06 , 37-530. N, 129-413. E, AUG. 9,1979, 07.05 KST, DEPTH 1620 , COLOR 2, TRANS. 15.0,

WAVE 1, SWELL 1, WIND SE 3, BARO 1011. , AIR TEMP. DRY 23.2, WET . , CLOUD. TYPE AC, AMT 2, WEATHER B

0	22.93	33.550								0	22.93	33.550		22.88	499	499	.0000
10	22.89	33.520								10	22.89	33.520		22.87	500	500	.0500
20	18.75	34.250								20	18.75	34.250		24.53	341	341	.0921
30	15.95	34.360								30	15.95	34.360		25.29	269	270	.1227
50	13.49	34.430								50	13.49	34.430		25.87	214	215	.1713
75	11.05	34.410								75	11.05	34.410		26.35	170	172	.2197
100	9.81	34.320								100	9.81	34.320		26.47	157	158	.2610
125	8.91	34.320								125	8.91	34.320		26.62	142	145	.2990
150	7.66	34.220								150	7.66	34.220		26.73	132	134	.3340
200	3.60	34.060								200	3.60	34.060		27.10	97	98	.3922
250	2.23	34.020								250	2.23	34.020		27.19	87	89	.4393
300	1.90	34.360								300	1.90	34.360		27.44	60	61	.4771
400	1.26	34.370								400	1.26	34.370		27.54	55	56	.5359

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA T	D-T	SVA	D DY
KOREA ,JI RI SAN , STATION 106-07 , 37-537. N, 130-000. E, AUG. 9.1979, 05.05 KST, DEPTH 1060 , COLOR , TRANS. , ,																	
WAVE 1, SWELL 1, WIND SW 3, BARO 1011. , AIR TEMP. DRY 23.3, WET . , CLOUD. TYPE , AMT , WEATHER B ,																	
0	24.05	33.510								0	24.05	33.510		22.52	533	533	.0000
10	24.00	33.510								10	24.00	33.510		22.54	531	532	.0533
20	18.40	34.170								20	18.40	34.170		24.56	339	339	.0968
30	16.68	34.320								30	16.68	34.320		25.09	288	289	.1283
50	13.14	34.420								50	13.14	34.420		25.93	208	209	.1781
75	11.33	34.400								75	11.33	34.400		26.27	176	177	.2265
100	12.04	34.360								100	12.04	34.360		26.10	192	194	.2729
125	10.01	34.340								125	10.01	34.340		26.46	158	160	.3173
150	10.00	34.330								150	10.00	34.330		26.45	159	162	.3577
200	9.72	34.330								200	9.72	34.330		26.50	154	158	.4379
250	9.05	34.260								250	9.05	34.260		26.55	149	153	.5160
300	4.40	34.120								300	4.40	34.120		27.07	100	103	.5803
400	1.96	34.020								400	1.96	34.020		27.21	86	87	.6759
500	.92	34.050															
KOREA ,JI RI SAN , STATION 106-08 , 37-537. N, 130-[illegible]. E, AUG. 9.1979, 03.10 KST, DEPTH 1800 , COLOR , TRANS. , ,																	
WAVE 1, SWELL 1, WIND SW 3, BARO 1011. , AIR TEMP. DRY 23.3, WET . , CLOUD. TYPE , AMT , WEATHER B ,																	
0	24.35	33.690								0	24.35	33.690		22.57	528	528	.0000
10	24.10	33.840								10	24.10	33.840		22.76	510	511	.0520
20	18.96	34.130								20	18.96	34.130		24.39	355	355	.0953
30	16.72	34.330								30	16.72	34.38		25.11	285	285	.1274
50	14.65	34.410								50	14.65	34.410		25.61	238	239	.1795

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA T	D T	SVA	D DY
75	11.48	34.410								75	11.48	34.410		[illegible]	[illegible]	[illegible]	.2324
100	10.60	34.370								100	10.60	34.370		26.38	166	168	.2759
125	10.57	34.340								125	10.57	34.340		26.36	167	170	.3182
150	10.31	34.340								150	10.31	34.340		26.40	163	166	.3603
200	10.18	34.350								200	10.18	34.350		26.43	160	164	.4430
250	9.50	34.290								250	9.50	34.290		26.50	154	158	.5239
300	5.74	34.220								300	5.74	34.220		26.99	107	111	.5916
400	1.54	34.110								400	1.54	34.110		27.32	77	77	.6860
500	.86	34.020															

KOREA ,JI RI SAN , STATION 106-09 , 37-537. N, 130-377. E, AUG. 9.1979, 01.10 KST, DEPTH 2250 , COLOR , TRANS. . ,

WAVE 1, SWELL 1, WIND SW 3, BARO 1015. , AIR TEMP. DRY 23.3, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	23.80	33.850								0	23.80	33.850		22.85	501	501	.0000
10	23.82	33.850								10	23.82	33.850		22.85	502	502	.0502
20	19.95	34.060								20	19.95	34.060		24.08	384	385	.0946
30	17.56	34.210								30	17.56	34.210		24.79	316	317	.1297
50	15.41	34.360								50	15.41	34.360		25.41	258	259	.1873
75	12.90	34.400								75	12.90	34.400		25.97	204	206	.2456
100	11.57	34.390								100	11.57	34.390		26.22	181	183	.2943
125	10.20	34.320								125	10.20	34.320		26.41	163	165	.3379
150	9.64	34.290								150	9.64	34.290		26.48	156	159	.3785
200	8.54	34.240								200	8.54	34.240		26.62	143	146	.4550
250	8.34	34.170								250	8.34	34.170		26.59	145	149	.5291
300	6.10	34.000								300	6.10	34.000		26.77	128	132	.5996
400	1.50	34.020								400	1.50	34.020		27.25	83	84	.7079

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,JI RI SAN , STATION 106-10 , 37-537. N, 130-545. E, AUG. 8.1979, 23.20 KST, DEPTH 1980 , COLOR , TRANS.

WAVE 1, SWELL 1, WIND SE 2, BARO 1012. , AIR TEMP. DRY 23.3, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	23.80	33.360								0	23.60	33.860		22.86	501	500	.0000
10	23.70	33.820								10	23.70	33.820		22.86	501	501	.0501
20	19.00	34.110								20	19.00	34.110		24.36	357	358	.0931
30	17.10	34.340								30	17.10	34.340		25.00	296	297	.1253
50	14.75	34.400								50	14.75	34.400		25.58	241	242	.1798
75	11.79	34.400								75	11.79	34.400		26.18	184	186	.2334
100	10.80	34.360								100	10.80	34.360		26.33	170	172	.2782
125	10.52	34.350								125	10.52	34.350		26.37	166	168	.3229
150	10.01	34.350								150	10.01	34.350		26.46	157	160	.3620
200	9.42	34.280								200	9.42	34.280		26.51	153	157	.4415
250	8.29	34.220								250	8.29	34.220		26.64	141	145	.5172
300	5.00	34.110								300	5.00	34.110		26.99	107	110	.5812
400	1.25	34.020								400	1.25	34.020		27.26	82	82	.6777
500	.73	34.020															

KOREA ,JI RI SAN , STATION 106-11 , 37-537. N, 131-151. E, AUG. 8.1979, 21.25 KST, DEPTH 2070 , COLOR , TRANS. . ,

WAVE 1, SWELL 1, WIND NE 2, BARO 1012. , AIR TEMP. DRY 23.2, WET . , CLOUD. TYPE AMT , WEATHER B ,

0	23.69	34.020								0	23.69	34.020		23.01	486	486	.0000
10	23.20	34.020								10	23.20	34.020		23.16	472	472	.0440
20	21.38	34.250								20	21.38	34.250		23.84	407	407	.0920
30	15.50	34.360								30	15.50	34.360		25.39	260	260	.1254
50	12.79	34.410								50	12.79	34.410		26.00	202	203	.1718

OBSERVED										INTERPOLATED				CALC			
DEPTH	TEMP	SAL	O2	P	TOTAL P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	[illegible]	D-DY
75	11.20	34.380								75	11.20	34.380		26.28	175	177	.2193
100	10.40	34.340								100	10.40	34.340		26.39	165	166	.2623
125	10.30	34.320								125	10.30	34.320		26.39	164	167	.3048
150	10.02	34.360								150	10.02	34.360		26.47	157	160	.3450
200	9.74	34.340								200	9.74	34.340		26.50	154	158	.4246
250	8.88	34.250								250	8.88	34.250		26.57	147	152	.5021
300	6.15	34.160								300	6.15	34.160		26.89	117	120	.5704
400	1.52	34.020								400	1.52	34.020		27.24	83	84	.6731
500	.84	33.990															

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KOREA ,JI RI SAN , STATION 106-02 , 37-537. N, 128-525. E, OCT.18.1979, 04.30 KST, DEPTH 58 , COLOR , TRANS.

WAVE 1, SWELL 1, WIND SE 3, BARO 1019. , AIR TEMP. DRY 15.0, WET . , CLOUD. TYPE , AMT , WEATHER B

0	20.90	33.220						0	20.90	33.220		23.19	469	469	.0000
10	20.43	33.120						10	20.43	33.120		23.24	464	464	.0467
20	20.38	33.080						20	20.38	33.080		23.22	466	466	.0933
30	19.28	33.030						30	19.28	33.030		23.47	443	443	.1388
50	8.20	33.950													

KOREA ,JI RI SAN , STATION 106-03 , 37-537. N, 128-572. E, OCT.18.1979, 05.10 KST, DEPTH 320 , COLOR , TRANS.

WAVE 1, SWELL 1, WIND SE 2, BARO 1020. , AIR TEMP. DRY 15.1, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	20.51	33.220						0	20.51	33.220		23.29	459	459	.0000
10	20.58	33.180						10	20.58	33.180		23.24	464	464	.0462
20	20.02	33.640						20	20.02	33.640		23.74	416	417	.0903
30	8.75	34.170						30	8.75	34.170		26.53	151	151	.1187

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA T	[illegible]	VA	D DY
50	5.58	34.090								50	5.58	34.090		26.91	115	116	.1455
75	3.21	34.030								75	3.21	34.030		27.11	96	96	.1721
100	2.02	34.000								100	2.02	34.000		27.19	88	88	.1952
125	1.45	33.990								125	1.45	33.990		27.23	85	85	.2170
150	1.19	33.980								150	1.19	33.980		27.24	84	84	.2383
200	.89	33.990								200	.89	33.990		27.26	82	81	.2800
250	.75	34.060								250	.75	34.060		27.33	75	75	.3194
300	.69	34.020															

KOREA ,JI RI SAN , STATION 106-04 , 37-537. N, 129-038. E, OCT.18.1979, 06.05 KST, DEPTH 710 , COLOR 2, TRANS. 14.0,

WAVE 1, SWELL 1, WIND SE 3, BARO 1020. , AIR TEMP. DRY 16.2, WET . , CLOUD. TYPE NS, AMT 6, WEATHER DC,

0	20.38	32.650								0	20.38	32.650		22.89	497	497	.0000
10	20.40									10	20.40	32.990		23.15	473	473	.0486
20	20.34	33.000								20	20.34	33.000		23.17	471	471	.0958
30	14.70	33.980								30	14.70	33.980		25.27	271	271	.1330
50	12.41	34.290								50	12.41	34.290		25.93	203	204	.1806
75	5.75	34.110								75	5.75	34.110		26.90	116	116	.2209
100	3.70	34.060								100	3.70	34.060		27.09	98	98	.2578
125	2.30	33.960								125	2.30	33.960		27.14	93	94	.2919
150	1.57	33.990								150	1.57	33.990		27.22	86	86	.3249
200	.98	33.980								200	.98	33.980		27.25	83	83	.3570
250	.72	33.980								250	.72	33.980		27.27	81	81	.3782
300	.60	34.010								300	.60	34.010		27.30	78	78	.4183
400	.53	33.990								400	.53	33.990		27.28	80	79	.4974
500	.49	34.010															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,JI PI SAN , STATION 106-05 , 37-57?. ?, 129-?1. ?, OCT.18.1979, 08.00 KST, DEPTH 1120 , COLOR 2, TRANS. 12.0,

WAVE 1, SWELL 1, WIND W 2, BARO 1020. , AIR TEMP. DRY 14.?, WET . , CLOUD. TYPE NS, AMT 8, WEATHER C ,

0	20.20	33.040								0	20.20	33.040		23.24	464	464	.0000
10	20.35	33.000								10	20.35	33.000		23.11	471	471	.0468
20	20.43	33.040								20	20.43	33.040		23.18	470	471	0939
30	14.24	34.020								30	14.24	34.020		25.40	258	259	.1305
50	12.29	34.290								50	12.29	34.290		26.00	201	202	.176.
75	5.79	34.120								75	5.79	34.120		26.91	115	116	.2166
100	4.10	34.060								100	4.10	34.060		27.05	102	102	.2440
125	2.87	33.980								125	2.87	33.980		27.11	96	97	.2690
150	1.98	33.980								150	1.98	33.980		27.18	90	90	.2925
200	1.08	33.970								200	1.08	33.970		27.23	84	84	.3362
250	.74	33.980								250	.74	33.980		27.26	81	81	.3779
300	.65	33.980								300	.65	33.980		27.27	81	81	.4186
400	.55	33.980								400	.55	33.980		27.27	80	80	.4995
500	.50	33.980															

KOREA ,JI PI SAN , STATION 106-05 , 37-57?. ?, 129-41?. ?, OCT.18.1979, 10.00 KST, DEPTH 162? , COLOR 2, TRANS. 17.0,

WAVE 1, SWELL 1, WIND NE 3, BARO 1012. , AIR TEMP. DRY ?1.?, WET . , CLOUD. TYPE NS, AMT 8, WEATHER C ,

0	20.08	32.460								0	20.08	32.460		22.83	504	503	.0000
10	20.1?	32.?50								10	20.18	32.850		23.10	47?	478	.0491
20	20.??	32.960								20	20.29	32.960		23.15	473	473	.0967

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
75	[illegible]	34.160								75	7.04	34.160		26.77	128	129	.2302
100	[illegible]	34.070								100	4.59	34.070		27.01	106	107	.2598
125	[illegible]	34.020								125	2.69	34.020		27.15	92	92	.2848
150	1.78	33.980								150	1.78	33.980		27.19	88	88	.3075
200	1.07	33.990								200	1.07	33.990		27.25	83	83	.3504
250	.80	33.980								250	.80	33.980		27.26	82	82	.3918
300	.60	34.000								300	.60	34.000		27.29	79	79	.4322
400	.53	33.990								400	.53	33.990		27.28	[illegible]	79	[illegible]
500	.59	33.990															

[illegible] ,JI RI SAN , STATION 106-07 , 37-537. N, 130-000. E, OCT.18.1979, 11.55 KST, DEPTH 1060 , COLOR 2, TRANS. 15.0,

WAVE 2, SWELL 2, WIND NE 3, BARO 1019. , AIR TEMP. DRY 21.1, WET . , CLOUD. TYPE NS, AMT 8, WEATHER C ,

0	21.12	33.110								0	21.12	33.110		23.05	483	482	.0000
10	21.10	33.050								10	21.10	33.050		23.01	487	487	.0485
20	21.10	33.030								20	21.10	33.030		22.99	488	488	.0973
30	21.08	33.030								30	21.08	33.030		23.03	484	485	.1460
50	[illegible]	33.050								50	19.23	33.050		23.75	416	417	.2363
75	.43	33.050								75	15.43	33.050		24.40	354	356	.3330
100	[illegible]	33.040								100	[illegible]	33.040		24.86	310	312	.4166
125	[illegible]	33.970								125	11.35	33.970		25.93	208	210	.4821
150	3.12	34.000								150	3.12	34.000		27.10	97	98	.5207
200	1.59	33.980								200	1.59	33.980		27.21	87	87	.5672
250	1.00	33.980								250	1.00	33.980		27.25	83	83	.6099
300	.70	33.970								300	.70	33.970		27.26	82	82	.6514
400	.65	33.990								400	.65	33.990		27.28	80	80	.7328
500	.62	34.010															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D DY
KOREA ,JI RI SAN , STATION 106-09 , 37-53?. N, 130-189. E, OCT.18.1979, 13.55 KST, DEPTH 1800 , COLOR 2, TRANS. 14.0,																	
WAVE 2, SWELL 2, WIND NE 3, BARO 1017. , AIR TEMP. DRY 21.4, WET . , CLOUD. TYPE NS, AMT 7, WEATHER BC,																	
0	21.50	33.390								0	21.50	33.390		23.16	472	472	.0000
10	21.52	33.820								10	21.52	33.820		23.48	442	442	.0457
20	21.48	33.710								20	21.48	33.710		23.40	449	449	.0903
30	20.72	33.670								30	20.72	33.670		23.58	432	433	.1345
50	18.23	33.690								50	18.23	33.690		24.23	369	371	.2149
75	15.12	33.670								75	15.12	33.670		24.94	302	304	.2993
100	13.37	33.860								100	13.37	33.860		25.46	253	255	.3693
125	11.29	33.980								125	11.29	33.980		25.95	206	209	.4274
150	8.21	34.200								150	8.21	34.200		26.64	141	143	.4716
200	3.21	34.030								200	3.21	34.030		27.11	96	97	.5319
250	1.78	34.020								250	1.78	34.020		27.23	85	86	.5777
300	1.08	34.000								300	1.08	34.000		27.26	82	82	.6198
400	.58	33.980								400	.58	33.980		27.27	81	80	.7015
500	.55	34.010															
KOREA ,JI RI SAN , STATION 106-09 , 37-53?. N, 130-377. E, OCT.18.1979, 15.50 KST, DEPTH 2250 , COLOR * TRANS. 15.0,																	
WAVE 2, SWELL 2, WIND NE 3, BARO 1014.5, AIR TEMP. DRY 21.2, WET . , CLOUD. TYPE NS, AMT 8, WEATHER C																	
0	21.48	33.340								0	21.48	33.340		23.12	475	4?5	.0000
10	21.60	33.360								10	21.60	33.360		23.11	477	477	.0477
20	20.45	33.980								20	20.45	33.980		23.89	403	403	.0917
30	20.38	33.980								30	20.38	33.980		23.90	401	401	.1320

OBSERVED											INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH		DEPTH	TEMP	SAL	O2	SIGMA T	D-T	SVA	D DY
75	15.01	33.380									75	15.01	33.380		24.74	321	323	.3027
100	13.19	33.770									100	13.19	33.770		25.42	256	258	.3755
125	11.40	33.810									125	11.40	33.810		25.80	221	223	.4358
150	8.13	34.070									150	8.13	34.070		26.55	150	152	.4828
200	3.10	34.040									200	3.10	34.040		27.13	94	95	.5448
250	1.66	34.000									250	1.66	34.000		27.22	86	86	.5903
300	.89	33.980									300	.89	33.980		27.25	82	82	.6327
400	.57	34.000									400	.57	34.000		27.29	79	79	.7136
500	.52	34.030																

KOREA , JI PI SAN , STATION 106-10 , 37-537. N, 130-565. E, OCT.18.1979, 17.50 KST, DEPTH 1980 , COLOR , TRANS. , ,

WAVE 3, SWELL 3, WIND NE 4, BARO 1015. , AIR TEMP. DRY 20.2, WET . , CLOUD. TYPE , AMT , WEATHER C ,

0	21.53	33.630									0	21.53	33.630		23.33	456	455	.0000
10	21.58	33.900									10	21.58	33.900		23.52	438	438	.0447
20	20.43	33.850									20	20.43	33.850		23.79	412	412	.0872
30	20.29	33.840									30	20.29	33.840		23.82	409	409	.1283
50	13.70	33.820									50	13.70	33.820		24.22	371	372	.2066
75	15.00	33.830									75	15.00	33.830		25.09	288	290	.2895
100	12.98	33.820									100	12.98	33.820		25.50	249	251	.3571
125	11.68	34.120									125	11.68	34.120		25.99	203	205	.4143
150	10.92	34.340									150	10.92	34.340		26.30	175	176	.4621
200	10.10	34.320									200	10.10	34.320		26.42	161	165	.5477
250	8.90	34.220									250	8.90	34.220		26.54	150	154	.6277
300	6.24	34.160									300	6.24	34.160		26.68	118	122	.6969
400	1.18	34.020									400	1.18	34.020		27.27	81	81	.7981
500	.69	34.010																

OBSERVED										INTERPOLATED				CALCULATED		
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	Si	PH	DEPTH	TEMP	SAL	O2	SIGMA T	SVA	D-DY
KOREA ,JI RI SAN , STATION 106-11 , 37-537. N, 131-151. E, OCT.18.1979, 19.45 KST, DEPTH [illegible] , COLOR , TRANS.																
WAV 3, SWELL 3, WIND NE 4, BARO 1014. , AIR TEMP. DRY 18.2, WET . , CLOUD. TYPE , AMT , WEATHER C ,																
0	20.52	33.370								0	20.52	33.370		23.40	449	448	.0000
10	21.30	33.820								10	21.30	33.820		23.54	436	436	.0443
20	20.94	33.880								20	20.94	33.880		23.68	422	423	.0872
30	20.38	33.800								30	20.38	33.860		23.81	410	410	.1289
50	18.71	33.830								50	18.71	33.830		24.22	371	372	.2072
75	15.26	33.690								75	15.26	33.690		24.93	304	305	.2980
100	12.53	33.710								100	12.53	33.710		25.51	248	250	.3616
125	11.92	34.170								125	11.92	34.170		25.98	203	206	.4188
150	10.51	34.170								150	10.51	34.170		26.24	179	182	.4674
200	10.47	34.270								200	10.47	34.270		26.32	171	175	.5568
250	8.88	34.220								250	8.88	34.220		26.55	149	154	.6392
300	5.41	34.130								300	5.41	34.130		26.96	110	114	.7063
400	.90	34.020								400	.90	34.020		27.29	79	79	.8032
500	.58	34.050															
12 월 (December)																	
KOREA ,JI RI SAN , STATION 106-02 , 37-537. N, 128-525. E, DEC.17.1979, 04.40 KST, DEPTH 58 , COLOR , TRANS. , ,																	
WAVE 1, SWELL 1, WIND SE 2 BARO 1026. , AIR TEMP. DRY 7.4, WET . , CLOUD. TYPE , AMT , WEATHER																	
0	13.95	34.430								0	13.95	34.430		25.78	223	222	.0000
10	14.00	34.420								10	14.00	34.420		25.76	224	224	.0224
20	13.70	34.390								20	13.70	34.390		25.80	221	221	.0447
										30	12.40	34.380		26.05	197	197	.0656

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,JI RI SAN , STATION 106-03 , 37-537. N, 128-572. E, DEC.17.1979, 05.25 KST, DEPTH 320 , COLOR , TRANS.

WAVE 1, SWELL 1, WIND SW 2, BARO 1026. , AIR TEMP. DRY 7.9, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	14.90	34.280							0	14.90	34.280	25.46	253	253	.0000
10	15.10	34.290							10	15.10	34.290	25.42	256	256	.0255
20	14.10	34.330							20	14.10	34.330	25.67	233	233	.0500
30	14.04	34.310							30	14.04	34.310	25.66	233	234	.0734
50	14.00	34.340							50	14.00	34.340	25.70	230	231	.1200
75	13.90	34.400							75	13.90	34.400	25.76	224	226	.1772
100	12.30	34.450							100	12.30	34.450	26.12	190	192	.2295
125	7.80	34.310							125	7.80	34.310	26.78	127	129	.2697
150	3.10	34.200							150	3.10	34.200	27.26	82	83	.2965
200	2.05	34.150							200	2.05	34.150	27.31	77	78	.3366
250	1.05	34.130							250	1.05	34.130	27.36	72	72	.3745
300	.82	34.200													

KOREA ,JI RI SAN , STATION 106-04 , 37-537. N, 129-038. E, DEC.17.1979, 06.20 KST, DEPTH 710 , COLOR , TRANS.

WAVE 1, SWELL 1, WIND SE 2, BARO 1026. , AIR TEMP. DRY 8.5, WET , CLOUD. TYPE 1, AMT 2, WEATHER B ,

0	14.86	34.370							0	14.86	34.370	25.54	245	245	.0000
10	15.50	34.390							10	15.50	34.380	25.40	258	258	.0252
20	15.57	34.370							20	15.57	34.370	25.38	260	261	.0512
30	14.62	34.380							30	14.62	34.380	25.60	240	240	.0763
50	15.67	34.360							50	15.67	34.360	25.35	263	264	.1269

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
75	15.15	34.400								75	15.15	34.400		25.50	249	251	.1914
100	9.23	34.360								100	9.23	34.360		26.60	144	146	.2412
125	3.62	34.220								125	3.62	34.220		27.23	85	86	.2703
150	2.04	34.150								150	2.04	34.190		27.31	77	77	.2908
200	1.20	34.100								200	1.20	34.100		27.33	75	75	.3292
250	.85	34.140								250	.85	34.140		27.39	70	70	.3657
300	.65	34.120								300	.65	34.120		27.38	70	70	.4010
400	.60	34.110								400	.60	34.110		27.38	71	71	.4718
500	.60	34.150															

KOREA ,JI RI SAN , STATION 106-05 , 37-537. N, 129-221. E, DEC.17.1979, 08.15 KST, DEPTH 1120 , COLOR 3, TRANS. 13.0,

WAVE 1, SWELL 1, WIND SE 3, BARO 1026. , AIR TEMP. DRY 10.5, WET . , CLOUD. TYPE CI, AMT 6, WEATHER BC,

0	14.40	34.260								0	14.40	34.260		25.55	244	244	.0000
10	15.20	34.330								10	15.20	34.330		25.43	255	255	.0250
20	15.30	34.330								20	15.30	34.330		25.41	258	258	.0507
30	15.25	34.320								30	15.25	34.320		25.41	257	258	.0766
50	14.90	34.280								50	14.90	34.280		25.46	253	254	.1278
75	14.35	34.530								75	14.35	34.530		25.77	223	225	.1878
100	11.94	34.560								100	11.94	34.560		26.28	175	177	.2382
125	10.25	34.450								125	10.25	34.450		26.50	154	156	.2800
150	9.65	34.430								150	9.65	34.430		26.59	146	148	.3183
200	6.35	34.250								200	6.35	34.250		26.94	112	115	.3844
250	3.74	34.190								250	3.74	34.190		27.19	88	90	.4359
300	1.70	34.150								300	1.70	34.150		27.34	75	75	.4775
400	.97	34.190								400	.97	34.190		27.42	67	67	.5492

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,JI RI SAN , STATION 106-06 , 37-530. N, 129-413. E, DEC.17.1979, 10.15 KST, DEPTH 1620 , COLOR 3, TRANS. 15.0,

WAVE 1, SWELL 1, WIND NE 3, BARO 1026. , AIR TEMP. DRY 11.3, WET . , CLOUD. TYPE CI, AMT 6, WEATHER BC,

0	14.90	34.310							0	14.90	34.310	25.48	251	250	.0000
10	15.10	34.330							10	15.10	34.330	25.45	253	253	.0252
20	15.00	34.310							20	15.00	34.310	25.46	253	253	.0506
30	15.00	34.310							30	15.00	34.310	25.46	253	253	.0760
50	14.90	34.290							50	14.90	34.290	25.47	252	253	.1267
75	14.65	34.290							75	14.65	34.290	25.52	247	249	.1896
100	11.40	34.510							100	11.40	34.510	26.34	169	171	.2422
125	10.40	34.480							125	10.40	34.480	26.50	154	157	.2833
150	10.20	34.470							150	10.20	34.470	26.52	152	155	.3203
200	9.60	34.450							200	9.60	34.450	26.61	143	147	.3980
250	8.10	34.360							250	8.10	34.360	26.78	128	132	.4680
300	4.70	34.250							300	4.70	34.250	27.14	94	96	.5252
400	2.10	34.160							400	2.10	34.160	27.31	77	78	.6129
500	1.20	34.150													

KOREA ,JI RI SAN , STATION 106-07 , 37-537. N, 130-000. E, DEC.17.1979, 12.10 KST, DEPTH 1060 , COLOR 3, TRANS. 14.0,

WAVE 1, SWELL 1, WIND SE 2, BARO 1025.5, AIR TEMP. DRY 13.4, WET . , CLOUD. TYPE CI, AMT 7, WEATHER BC,

0	14.84	34.250							0	14.84	34.250	25.45	254	254	.0000
10	14.80	34.250							10	14.80	34.250	25.46	253	253	.0254
20	15.15	34.260							20	15.15	34.260	25.39	260	260	.0511
30	15.13	34.250							30	15.13	34.250	25.38	260	260	.0771
50	15.05	34.240							50	15.05	34.240	25.39	259	260	.1293

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
75	15.00	34.240								75	15.00	34.240		25.41	258	260	.1944
100	14.15	34.490								100	14.15	34.490		25.78	222	225	.2550
125	10.90	34.490								125	10.90	34.490		26.42	162	164	.3038
150	10.40	34.490								150	10.40	34.490		26.50	153	156	.3440
200	10.12	34.470								200	10.12	34.470		26.54	150	154	.4219
250	9.28	34.400								250	9.28	34.400		26.62	142	147	.4974
300	6.58	34.320								300	6.58	34.320		26.96	110	114	.5629
400	3.32	34.230								400	3.32	34.230		27.26	82	84	.6625
500	1.02	34.170															

KOREA ,JI RI SAN , STATION 106-08 , 37-537. N, 130-189. E, DEC.17.1979, 14.10 KST, DEPTH 1800 , COLOR 3, TRANS. 12.0,

WAVE 2, SWELL 3, WIND SW 3, BARO 1025. , AIR TEMP. DRY 13.0, WET . , CLOUD. TYPE CI, AMT 6, WEATHER BC,

0	14.09	34.240								0	14.09	34.240		25.60	239	239	.0000
10	14.60	34.250								10	14.60	34.250		25.50	249	249	.0244
20	14.01	34.240								20	14.01	34.240		25.62	238	238	.0488
30	13.60	34.240								30	13.60	34.240		25.70	230	230	.0723
50	12.58	34.250								50	12.58	34.250		25.91	210	210	.1165
75	11.40	34.340								75	11.40	34.340		26.21	182	183	.1658
100	11.37	34.560								100	11.37	34.560		26.38	165	167	.2096
125	10.65	34.470								125	10.65	34.470		26.45	159	162	.2508
150	10.40	34.470								150	10.40	34.470		26.49	155	158	.2909
200	10.23	34.450								200	10.23	34.450		26.50	154	158	.3700
250	9.19	34.470								250	9.19	34.470		26.69	136	140	.4447
300	5.05	34.460								300	5.05	34.460		27.26	82	85	.5011
400	2.20	34.400								400	2.20	34.400		27.50	59	61	.5744

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA ,JI RI SAN , STATION 106-02 , 37-53'. N, 130-37'. E, DEC.17.1979, 16.05 KST, DEPTH 2250 , COLOR 3, TRANS. 15.0,																	
WAVE 1, SWELL 2, WIND SW 3, BARO 1025. , AIR TEMP. DRY 13.4, WET . , CLOUD. TYPE CI, AMT 5, WEATHER BC,																	
0	14.58	34.240								0	14.58	34.240		25.50	249	249	.0000
10	14.51	34.220								10	14.51	34.220		25.50	249	249	.0250
20	13.62	34.220								20	13.62	34.220		25.68	232	232	.0491
30	13.50	34.230								30	13.50	34.230		25.71	228	229	.0721
50	13.34	34.220								50	13.34	34.220		25.74	226	227	.1178
75	13.14	34.300								75	13.14	34.300		25.84	216	218	.1736
100	12.12	34.460								100	12.12	34.460		26.17	186	188	.2244
125	11.00	34.210								125	11.00	34.210		26.18	184	187	.2714
150	10.50	34.450								150	10.50	34.450		26.46	158	161	.3150
200	10.10	34.480								200	10.10	34.480		26.55	149	153	.3938
250	9.78	34.460								250	9.78	34.460		26.59	146	150	.4699
300	4.68	34.360								300	4.68	34.360		27.23	85	88	.5297
400	2.80	34.310								400	2.80	34.310		27.37	71	73	.6107
500	1.10	34.300															
KOREA ,JI RI SAN , STATION 106-10 , 37-53'. N, 130-56'. E, DEC.17.1979, 18.03 KST, DEPTH 1980 , COLOR 3, TRANS. 15.0,																	
WAVE 1, SWELL 2, WIND SW 3, BARO 1025. , AIR TEMP. DRY 12.0, WET . , CLOUD. TYPE , AMT , WEATHER C ,																	
0	14.30	34.220								0	14.30	34.220		25.54	245	245	.0000
10	14.40	34.220								10	14.40	34.220		25.52	247	247	.0246
20	13.40	34.230								20	13.40	34.230		25.74	227	227	.0484
30	13.32	34.210								30	13.32	34.210		25.74	226	227	.0711
50	13.00	34.230								50	13.00	34.230		25.82	219	220	.1159

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
75	12.79	34.220								75	12.79	34.220		25.85	216	217	.1706
100	11.72	34.490								100	11.72	34.490		26.27	176	178	.2202
125	11.54	34.510								125	11.54	34.510		26.31	172	174	.2644
150	10.72	34.550								150	10.72	34.550		26.49	154	157	.3059
200	10.23	34.450								200	10.23	34.450		26.50	154	158	.3849
250	8.80	34.430								250	8.80	34.430		26.72	133	137	.4588
300	5.83	34.340								300	5.83	34.340		27.07	99	103	.5191
400	2.23	34.260								400	2.23	34.260		27.38	70	72	.6070
500	1.32	34.200															

KOREA ,JI RI SAN , STATION 106-11 , 37-537. N, 131-151. E, DEC.17.1979, 20.00 KST, DEPTH 2070 , COLOR , TRANS. ,

WAVE 2, SWELL 2, WIND SE 3, BARO 1025. , AIR TEMP. DRY 12.2, WET , CLOUD. TYPE , AMT , WEATHER ,

0	14.40	34.220								0	14.40	34.220		25.52	247	247	.0000
10	14.65	34.220								10	14.65	34.220		25.47	252	252	.0250
20	14.60	34.270								20	14.60	34.270		25.52	247	248	.0500
30	14.66	34.240								30	14.66	34.240		25.48	251	251	.0750
50	14.65	34.250								50	14.65	34.250		25.49	250	251	.1254
7[illegible]	14.50	34.240								75	14.50	34.240		25.51	248	249	.1880
100	14.06	34.360								100	14.06	34.360		25.70	230	232	.2484
125	10.28	34.450								125	10.28	34.450		26.49	154	157	.2971
150	10.11	34.450								150	10.11	34.450		26.52	152	155	.3362
200	9.45	34.410								200	9.45	34.410		26.60	144	148	.4120
250	7.60	34.320								250	7.60	34.320		26.82	124	127	.4810
300	4.25	34.320								300	4.25	34.320		27.24	84	86	.5347

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

2 월 (February)

KOREA ,JI RI SAN , STATION 105-03 , 37-332. N, 129-103. E, FEB.10.1979, 00.05 KST, DEPTH 48 , COLOR , TRANS. . ,

WAVE 3, SWELL 1, WIND SW 3, BARO 1020. , AIR TEMP. DRY 10.0, WET . , CLOUD. TYPE , AMT , WEATHER C ,

0	12.06	34.520								0	12.06	34.520		26.22	180	180	.0000
10	12.17	34.520								10	12.17	34.520		26.20	1 2	182	.0181
20	12.35	34.510								20	12.35	34.510		26.16	186	186	.0366
30	12.42	34.480								30	12.42	34.480		26.12	190	190	.0555
45	12.40	34.450															

KOREA ,JI RI SAN , STATION 105-04 , 37-332. N, 129-155. E, FEB.10.1979, 00.45 KST, DEPTH 250 , COLOR , TRANS. . ,

WAVE 3, SWELL 2, WIND SW 3, BARO 1020. , AIR TEMP. DRY 9.5, WET . , CLOUD. TYPE , AMT , WEATHER C ,

0	11.88	34.390								0	11.88	34.390		26.16	186	186	.0000
10	12.20	34.390								10	12.20	34.390		26.10	192	192	.0190
20	12.20	34.390								20	12.20	34.390		26.10	192	192	.0382
30	12.20	34.390								30	12.20	34.390		26.10	192	193	.0575
50	12.20	34.400								50	12.20	34.400		26.10	191	192	.0961
75	12.20	34.360								75	12.20	34.360		26.07	194	196	.1440
100	9.53	34.310								100	9.53	34.310		26.51	153	154	.1887
125	5.90	34.140								125	5.90	34.140		26.91	115	117	.2227
150	2.60	34.060								150	2.60	34.060		27.19	88	89	.2485
200	.98	33.980								200	.98	33.980		27.25	83	83	.2916
245	.78	33.990															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL P	NO2-N	NO3-N	Si	PH	DEPTH	TEMP	SAL	O2	SIGMA T	D T	SVA	D-DY

KOREA ,JI RI SAN , STATION 105-05 , 37-332. N, 129-226. E, FEB.10.1979, 01.40 KST, DEPTH 380 , COLOR , TRANS.

WAVE 4, SWELL 2, WIND SW 5, BARO 1019. , AIR TEMP. DRY 9.7, WET . , CLOUD. TYPE , AMT , WEATHER C .

0	12.20	34.370		0	12.20	34.370	26.08	194	193	.0000
10	12.81	34.410		10	12.81	34.410	25.99	202	202	.0198
20	12.71	34.470		20	12.71	34.470	26.06	196	196	.0398
30	12.70	34.480		30	12.70	34.480	26.07	195	195	.0594
50	12.44	34.490		50	12.44	34.490	26.13	189	190	.0980
75	12.15	34.470		75	12.15	34.470	26.17	185	187	.1453
100	11.00	34.270		100	11.00	34.270	26.23	180	182	.1915
125	5.50	34.110		125	5.50	34.110	26.93	113	114	.2286
150	3.02	34.070		150	3.02	34.070	27.16	91	92	.2544
200	1.80	34.060		200	1.80	34.060	27.26	82	83	.2982
250	1.32	34.060		250	1.32	34.060	27.29	79	79	.3389
300	.89	34.050		300	.89	34.050	27.31	77	77	.3782
375	.80	34.500								

KOREA ,JI RI SAN , STATION 105-06 , 37-332. N, 129-413. E, FEB.10.1979, 03.30 KST, DEPTH 810 , COLOR , TRANS.

WAVE 4, SWELL 2, WIND SW 5, BARO 1017. , AIR TEMP. DRY 9.4, WET . , CLOUD. TYPE , AMT , WEATHER

0	11.93	34.410		0	11.93	34.410	26.10	186	186	.0000
10	12.23	34.410		10	12.23	34.410	26.11	191	191	.0189
20	12.30	34.430		20	12.30	34.430	26.11	191	191	.0381
30	12.23	34.390		30	12.23	34.390	26.09	193	193	.0573
50	12.24	34.330		50	12.24	34.330	26.04	195	196	.0964

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P.	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
75	11.23	34.400								75	11.23	34.400		26.29	174	176	.1429
100	10.23	34.410								100	10.23	34.410		26.47	157	158	.1847
125	9.75	34.260								125	9.75	34.260		26.44	160	162	.2249
150	7.66	34.210								150	7.66	34.210		26.72	133	135	.2622
200	5.32	34.050								200	5.32	34.050		26.91	115	117	.3254
250	3.23	34.070								250	3.23	34.070		27.14	93	94	.3786
300	2.26	34.060								300	2.26	34.060		27.22	86	87	.4240
400	1.19	34.020								400	1.19	34.020		27.27	81	81	.5085
500	.88	34.000															

KOREA ,JI RI SAN , STATION 105-07 , 37-332. N, 130-000. E, FEB.10.1979, 05.25 KST, DEPTH 1480 , COLOR , TRANS.

WAVE 4, SWELL 2, WIND SW 5, BARO 1017. , AIR TEMP. DRY 9.3, WET , CLOUD. TYPE , AMT , WEATHER C ,

0	12.10	34.240								0	12.10	34.240		26.00	201	201	.0000
10	12.90	34.290								10	12.90	34.290		25.88	213	213	.0207
20	12.15	34.370								20	12.15	34.370		26.09	193	193	.0411
30	12.17	34.420								30	12.17	34.420		26.13	189	190	.0602
50	11.80	34.410								50	11.80	34.410		26.19	184	184	.0978
75	11.03	34.410								75	11.03	34.410		26.33	170	171	.1424
100	10.82	34.330								100	10.82	34.330		26.31	172	174	.1857
125	10.68	34.240								125	10.68	34.240		26.26	177	179	.2309
150	10.65	34.220								150	10.65	34.220		26.25	178	181	.2751
200	8.20	34.200								200	8.20	34.200		26.64	141	144	.3565
250	5.90	34.130								250	5.90	34.130		26.90	116	119	.4225
300	4.30	34.080								300	4.30	34.080		27.05	102	105	.4786
400	1.90	34.020								400	1.90	34.020		27.22	86	87	.5749
500	1.11	34.040															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2 N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	DYN
KOREA ,JI RI SAN , STATION 105-08 , 37-332. N, 130-187. E, FEB.10.1979, 07.25 KST, DEPTH 1503 , COLOR , TRANS.																	
WAVE 4, SWELL 3, WIND SW 5, BARO 1016. , AIR TEMP. DRY 10.5, WET . , CLOUD. TYPE NS, AMT 10, WEATHER C ,																	
0	11.56	34.240								0	11.56	34.240		26.10	192	191	.0000
10	11.50	34.250								10	11.50	34.250		26.12	190	190	.0191
20	11.50	34.240								20	11.50	34.240		26.11	191	191	.0382
30	11.40	34.340								30	11.40	34.340		26.21	182	182	.0569
50	10.80	34.380								50	10.80	34.380		26.35	168	169	.0921
75	10.70	34.440								75	10.70	34.440		26.41	162	164	.1338
100	10.70	34.400								100	10.70	34.400		26.38	165	167	.1753
125	10.70	34.240								125	10.70	34.240		26.26	177	179	.2187
150	10.65	34.250								150	10.65	34.250		26.27	175	178	.2635
200	9.70	34.240								200	9.70	34.240		26.43	161	164	.3494
250	7.49	34.150								250	7.49	34.150		26.70	135	138	.4254
300	5.22	34.090								300	5.22	34.090		26.95	111	114	.4888
400	2.50	34.000								400	2.50	34.000		27.15	92	94	.5932
500	1.52	34.040															
KOREA ,JI RI SAN , STATION 105-09 , 37-332. N, 130-375. E, FEB.10.1979, 09.20 KST, DEPTH 1140 , COLOR 3, TRANS. 13.																	
WAVE 4, SWELL 3, WIND SW 5, BARO 1015. , AIR TEMP. DRY 10.5, WET , CLOUD. TYPE NS, AMT 10, WEATHER C																	
0	11.55	34.540								0	11.55	34.540		26.34	169	169	.0000
10	11.70	34.430								10	11.70	34.430		26.22	180	180	.0175
20	11.84	34.420								20	11.84	34.420		26.19	183	184	.0358
30	11.85	34.410								30	11.85	34.410		26.18	184	185	.0542

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
75	11.71	34.250								75	11.71	34.250		26.08	194	195	.1389
100	11.61	34.430								100	11.61	34.430		26.24	179	181	.1860
125	10.62	34.240								125	10.62	34.240		26.27	176	178	.2310
150	10.60	34.280								150	10.60	34.280		26.31	175	175	.2753
200	9.48	34.170								200	9.48	34.170		26.41	162	166	.3608
250	3.40	34.030								250	3.40	34.030		27.10	97	99	.4273
300	1.50	34.040								300	1.50	34.040		27.26	82	82	.4728
400	.90	34.040								400	.90	34.040		27.30	78	78	.5532
500	.65	34.050															

KOREA ,JI RI SAN , STATION 105-10 , 37-332. N, 130-559. E, FEB.10.1979, 11.20 KST, DEPTH 1850 , COLOR 3, TRANS. 14.

WAVE 4, SWELL 3, WIND SW 5, BARO 1015. , AIR TEMP. DRY 11.0, WET , CLOUD. TYPE NS, AMT 10, WEATHER C ,

0	12.20	34.350								0	12.20	34.350		26.07	195	195	.0000
10	12.20	34.360								10	12.20	34.360		26.07	194	194	.0195
20	12.30	34.340								20	12.30	34.340		26.04	198	198	.0392
30	12.27	34.350								30	12.27	34.350		26.05	196	197	.0590
50	12.25	34.360								50	12.25	34.360		26.06	195	196	.0984
75	12.40	34.390								75	12.40	34.390		26.06	196	197	.1477
100	12.54	34.450								100	12.54	34.450		26.08	194	196	.1970
125	12.53	34.430								125	12.53	34.430		26.06	195	198	.2465
150	12.60	34.440								150	12.60	34.440		26.06	196	199	.2963
200	8.80	34.240								200	8.80	34.240		26.58	147	150	.3839
250	4.90	34.150								250	4.90	34.150		27.04	103	106	.4481
300	2.20	34.090								300	2.20	34.090		27.25	83	84	.4956
400	1.14	34.050								400	1.14	34.050		27.29	79	79	.5775
500	.80	34.050															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,JI RI SAN , STATION 105-11 , 37-332. N, 131-146. E, FEB.10.1979, 13.15 KST, DEPTH 2375 , COLOR 3, TRANS. 14.0,

WAVE 4, SWELL 2, WIND SW 5, BARO 1012. , AIR TEMP. DRY 11.8, WET . , CLOUD. TYPE CU, AMT 8, WEATHER C ,

0	12.33	34.470								0	12.33	34.470		26.13	189	188	.0000
10	12.40	34.490								10	12.40	34.490		26.14	189	188	.0189
20	12.50	34.490								20	12.50	34.490		26.12	190	191	.0379
30	12.48	34.470								30	12.48	34.470		26.10	191	192	.057
50	12.50	34.480								50	12.50	34.480		26.11	191	192	.0956
75	12.53	34.520								75	12.53	34.520		26.13	189	190	.1435
100	12.53	34.510								100	12.53	34.510		26.13	189	192	.1914
125	11.52	34.350								125	11.52	34.350		26.19	183	186	.2386
150	11.00	34.280								150	11.00	34.280		26.23	179	182	.2847
200	10.45	34.290								200	10.45	34.290		26.34	169	173	.3737
250	7.70	34.210								250	7.70	34.210		26.72	133	137	.4515
300	2.12	34.040								300	2.12	34.040		27.22	86	87	.5077
400	1.20	34.040								400	1.20	34.040		27.28	80	80	.5917
500	.80	34.060															

4 월 (April)

KOREA ,JI RI SAN , STATION 105-03 , 37-332. N, 129-103. E, APR.19.1979, 16.45 KST, DEPTH 48 , COLOR 3, TRANS. 8.0

WAVE 1, SWELL 1, WIND E 2, BARO 1017. , AIR TEMP. DRY 19.4, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	14.42	34.200								0	14.42	34.200		25.50	249	249	.0000
10	12.18	34.220								10	12.18	34.220		25.97	204	204	.0227
20	11.92	33.910								20	11.92	33.910		25.78	222	223	.0441

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA ,JI RI SAN , STATION 105-04 , 37-332. N, 129-155. E, APR.19.1979, 16.05 KST, DEPTH 250 , COLOR 3, TRANS. 8.0,																	
WAVE 1, SWELL 1, WIND E 2, BARO 1017. , AIR TEMP. DRY 19.0, WET , CLOUD. TYPE CI, AMT 2, WEATHER B ,																	
0	11.70	34.180								0	11.70	34.180		26.03	199	198	.0000
10	11.40	34.190								10	11.40	34.190		26.09	193	193	.0196
20	11.31	34.970								20	11.31	34.970		26.71	134	134	.0360
30	10.30	33.870								30	10.30	33.870		26.04	198	198	.0526
50	4.60	33.860								50	4.60	33.860		26.84	122	122	.0847
75	3.28	33.850								75	3.28	33.850		26.96	110	110	.1138
100	2.10	33.840								100	2.10	33.840		27.06	101	101	.1403
125	.87	33.790								125	.87	33.790		27.10	97	96	.1651
150	.79	33.800								150	.79	33.800		27.12	95	95	.1892
200	.68	33.810								200	.68	33.810		27.13	94	94	.2367
245	.42	33.800															
KOREA ,JI RI SAN , STATION 105-05 , 37-332. N, 129-226. E, APR.19.1979, 15.05 KST, DEPTH 380 , COLOR 3, TRANS. 10.0,																	
WAVE 1, SWELL 1, WIND NW 2, BARO 1017. , AIR TEMP. DRY 17.0, WET , CLOUD. TYPE CI, AMT 2, WEATHER B ,																	
0	13.40	34.250								0	13.40	34.250		25.75	225	225	.0000
10	12.89	34.270								10	12.89	34.270		25.87	214	214	.0220
20	12.86	34.220								20	12.86	34.220		25.84	217	217	.0436
30	10.20	34.160								30	10.20	34.160		26.28	175	175	.0632

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
50	7.85	33.960								50	7.85	33.960		26.50	154	154	.0963
75	5.20	33.830								75	5.20	33.830		26.75	130	131	.1320
100	3.00	33.840								100	3.00	33.840		26.98	108	108	.1621
125	1.85	33.820								125	1.85	33.820		27.06	101	101	.1884
150	.99	33.820								150	.99	33.820		27.12	95	95	.2130
200	.85	33.810								200	.85	33.810		27.12	95	95	.2607
250	.76	33.790								250	.76	33.790		27.11	96	96	.3086
300	.60	33.820															

KOREA ,JI RI SAN STATION 105-06 , 37-332. N, 129-413. E, APR.19.1979, 13.15 KST, DEPTH 810 , COLOR 3, TRANS. 9.0,

WAVE 1, SWELL 1, WIND SW 3, BARO 1018. , AIR TEMP. DRY 17.9, WET . , CLOUD. TYPE AC, AMT 2, WEATHER B ,

0	13.41	34.290								0	13.41	34.290		25.78	222	222	.0000
10	13.48	34.310								10	13.48	34.310		25.78	222	222	.0223
20	13.38	34.330								20	13.38	34.330		25.82	219	219	.0444
30	13.09	34.330								30	13.09	34.330		25.88	213	214	.0661
50	12.31	34.290								50	12.31	34.290		26.00	202	202	.1078
75	10.88	34.180								75	10.88	34.180		26.18	184	186	.1564
100	8.28	34.020								100	8.28	34.020		26.48	155	157	.1994
125	5.61	33.950								125	5.61	33.950		26.79	126	127	.2390
150	2.60	33.870								150	2.60	33.870		27.04	103	103	.2759
200	1.39	33.820								200	1.39	33.820		27.09	98	98	.3444
250	.82	33.800								250	.82	33.800		27.11	96	95	.3829
300	.68	33.820								300	.68	33.820		27.14	93	93	.4103
400	.58	33.820								400	.58	33.820		27.14	93	92	.5035

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	12.50	34.310								0	12.50	34.310		25.98	204	203	.0000
10	12.55	34.330								10	12.55	34.330		25.98	203	203	.0204
20	12.58	34.330								20	12.58	34.330		25.98	204	204	.0408
30	12.52	34.310								30	12.52	34.310		25.97	204	204	.0612
50	12.52	34.330								50	12.52	34.330		25.99	203	203	.1021
75	11.35	34.210								75	11.35	34.210		26.12	190	192	.1516
100	10.15	34.140								100	10.15	34.140		26.28	175	177	.1978
125	10.00	34.130								125	10.00	34.130		26.29	174	176	.2421
150	7.84	34.020								150	7.84	34.020		26.55	149	151	.2831
200	6.72	33.950								200	6.72	33.950		26.65	140	142	.3567
250	2.05	33.800								250	2.05	33.800		27.03	104	104	.4186
300	1.08	33.790								300	1.08	33.790		27.09	98	98	.4694
400	.78	33.810								400	.78	33.810		27.12	95	94	.5640
500	.65	33.790															

KOREA ,JI RI SAN , STATION 105-08 , 37-332. N, 130-187. E, APR.19.1979, 09.30 KST, DEPTH 1503 , COLOR 3, TRANS. 16.

WAVE 1, SWELL 1, WIND S 2, BARO 1019. , AIR TEMP. DRY 12.6, WET . , CLOUD. TYPE AC, AMT 2, WEATHER B ,

0	12.44	34.290								0	12.44	34.290		25.97	204	204	.0000
10	12.32	34.340								10	12.32	34.340		26.03	198	198	.0201
20	12.51	34.330								20	12.51	34.330		25.99	202	203	.0402
30	10.74	34.190								30	10.74	34.190		26.21	181	182	.0595
50	10.30	34.170								50	10.30	34.170		26.27	175	176	.0954

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P		NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
75	10.00	34.130								75	10.00	34.130		26.29	174	175	.1394
100	9.64	34.110								100	9.64	34.110		26.34	169	171	.1827
125	9.58	34.100								125	9.58	34.100		26.34	169	171	.2256
[illegible]										150	8.70	34.050		26.44	159	162	.2674
200	7.18	33.980								200	7.18	33.980		26.61	143	146	.3446
250	2.47	33.820								250	2.47	33.820		27.01	105	106	.4079
300	1.21	33.800								300	1.21	33.800		27.09	98	98	.4592
400	.81	33.800								400	.81	33.800		27.12	96	95	.5564
500	.75	33.810															

KOREA ,JI RI SAN , STATION 105-09 , 37-332. N, 130-375. E, APR.19.1979, 07.35 KST, DEPTH 1140 , COLOR 3, TRANS. 12.0,

WAVE 1, SWELL 2, WIND S 2, BARO 1019. , AIR TEMP. DRY 10.1, WET . , CLOUD. TYPE AC, AMT 2, WEATHER B ,

0	10.22	34.160								0	10.22	34.160		26.28	175	175	.0000
10	11.05	34.160								10	11.05	34.160		26.13	189	189	.0182
20	10.22	34.170								20	10.22	34.170		26.29	174	174	.0364
30	10.15	34.160								30	10.15	34.160		26.29	174	174	.0539
50	10.02	34.140								50	10.02	34.140		26.30	173	174	.0888
75	9.45	******								75	9.45	******		*****	***	***	******
100	9.05	34.170								100	9.05	34.170		26.48	156	157	******
125	8.90	34.030								125	8.90	34.030		26.40	164	166	******
150	6.30	34.000								150	6.30	34.000		26.75	131	132	******
200	5.05	33.960								200	5.05	33.960		26.87	119	121	******
250	3.95	33.940								250	3.95	33.940		26.97	109	111	******
300	3.45	33.860								300	3.45	33.860		26.96	111	112	******
400	1.25	33.820								400	1.25	33.820		27.10	97	97	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA ,JI RI SAN , STATION 105-10 , 37-332. N, 130-559. E, APR.19.1979, 05.45 KST, DEPTH 1850 , COLOR , TRANS. , ,																	
WAVE 1, SWELL 1, WIND S 2, BARO 1018. , AIR TEMP. DRY 9.7, WET . , CLOUD. TYPE , AMT , WEATHER B ,																	
0	9.69	34.110								0	9.69	34.110		26.33	170	170	.0000
10	9.75	34.130								10	9.75	34.130		26.34	170	169	.0170
20	9.81	34.120								20	9.81	34.120		26.32	171	171	.0341
30	9.70	34.110								30	9.70	34.110		26.33	170	171	.0512
50	9.62	34.110								50	9.62	34.110		26.34	169	170	.0854
75	9.45	******								75	9.45	******		*****	***	***	******
100	8.35	34.020								100	8.35	34.020		26.47	156	158	******
125	5.39	33.910								125	5.39	33.910		26.79	127	128	******
150	3.80	33.820								150	3.80	33.820		26.89	117	118	******
200	2.69	33.820								200	2.69	33.820		26.99	107	108	******
250	1.89	33.790								250	1.89	33.790		27.03	103	104	******
300	1.38	33.710								300	1.38	33.710		27.01	106	106	******
400	1.12	33.780								400	1.12	33.780		27.08	99	99	******
500	.79	33.790															
KOREA ,JI RI SAN , STATION 105-11 , 37-332. N, 131-146. E, APR.19.1979, 03.50 KST, DEPTH 2375 , COLOR , TRANS. , ,																	
WAVE 1, SWELL 1, WIND SE 2, BARO 1019. , AIR TEMP. DRY 10.2, WET . , CLOUD. TYPE , AMT , WEATHER B ,																	
0	9.32	34.110								0	9.32	34.110		26.39	164	164	.0000
10	9.70	34.110								10	9.70	34.110		26.33	170	170	.0168
20	9.59	34.140								20	9.59	34.140		26.37	166	166	.0336
30	9.62	34.100								30	9.62	34.100		26.33	170	170	.0505
50	9.55	34.120								50	9.55	34.120		26.36	167	168	.0844

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
75	9.32	34.070								75	9.32	34.070		26.36	167	168	.1265
100	8.45	34.020								100	8.45	34.020		26.46	158	159	.1676
125	7.95	33.950								125	7.95	33.950		26.48	156	158	.2074
150	6.80	33.950								150	6.80	33.950		26.64	141	142	.2451
200	4.81	33.880								200	4.81	33.880		26.83	122	124	.3120
250	3.72	33.840								250	3.72	33.840		26.91	115	116	.3723
300	2.52	33.830								300	2.52	33.830		27.03	105	106	.4281
400	1.21	33.810								400	1.21	33.810		27.10	97	97	.5304
500	.92	33.790															

5 월 (May)

KOREA ,JI RI SAN , STATION 105-03 , 37-33.2 N, 129-103. E, MAY.20.1979, 05.45 KST, DEPTH 48 , COLOR 3, TRANS. 10.0,

WAVE 1, SWELL 1, WIND SW 1, BARO . , AIR TEMP. DRY 19.3, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	14.15	34.140								0	14.15	34.140		25.51	248	248	.0000
10	13.62	34.170								10	13.62	34.170		25.64	235	235	.0242
20	11.95	34.200								20	11.95	34.200		26.00	202	202	.0461
30	8.49	34.200								30	8.49	34.200		26.59	145	145	.0635
45	4.34	34.060															

KOREA ,JI RI SAN , STATION 105-04 , 37-332. N, 129-155. E, MAY.20.1979, 04.50 KST, DEPTH 250 , COLOR 3, TRANS. 10. ,

WAVE 1, SWELL 1, WIND SW 1, BARO 1016. , AIR TEMP. DRY 15.0, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	13.80	34.170								0	13.80	34.170		25.61	239	238	.0000
10	12.95	34.160								10	12.95	34.160		25.77	223	223	.0231
20	9.21	34.210								20	9.21	34.210		26.49	155	155	.0421

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D T	SVA	D-DY
30	7.61	34.170								30	7.61	34.170		26.70	135	135	.0567
50	7.19	34.030								50	7.19	34.030		26.65	140	140	.0843
75	3.29	34.110								75	3.29	34.110		27.17	90	91	.1132
100	1.75	33.980								100	1.75	33.980		27.20	88	88	.1357
125	1.25	33.960								125	1.25	33.960		27.22	86	86	.1575
150	.95	33.950								150	.95	33.950		27.23	85	85	.1790
200	.61	33.980								200	.61	33.980		27.27	81	80	.2206
245	.55	33.970															

KOREA , JI RI SAN , STATION 105-05 , 37-332. N, 129-226. E, MAY.20.1979, 03.30 KST, DEPTH 380 , COLOR , TRANS. . ,

WAVE 1, SWELL 1, WIND SW 2, BARO . , AIR TEMP. DPY 15.0, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	14.58	34.000								0	14.58	34.000		25.31	267	267	.0000
10	14.45	34.160								10	14.45	34.160		25.46	252	252	.0260
20	14.18	34.220								20	14.18	34.220		25.57	243	243	.0508
30	13.72	34.350								30	13.72	34.350		25.76	224	224	.0742
50	8.54	34.220								50	8.54	34.220		26.60	144	145	.1113
75	7.82	34.190								75	7.82	34.190		26.69	136	137	.1467
100	6.84	34.110								100	6.84	34.110		26.76	129	130	.1802
125	5.43	34.040								125	5.43	34.040		26.89	117	118	.2115
150	4.01	33.970								150	4.01	33.970		26.99	108	109	.2400
200	2.45	33.970								200	2.45	33.970		27.13	94	94	.2910
250	1.01	33.970								250	1.01	33.970		27.24	84	84	.3358
300	.70	33.970															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA ,JI RI SAN , STATION 105-06 , 37-332. N, 129-413. E, MAY.20.1979, 01.30 KST, DEPTH 810 , COLOR , TRANS. , ,																	
WAVE 1, SWELL 1, WIND W 6, BARO 1015. , AIR TEMP. DRY 14.8, WET , , CLOUD. TYPE , AMT , WEATHER B ,																	
0	15.00	34.360								0	15.00	34.360		25.50	249	249	.0000
10	14.71	34.400								10	14.71	34.400		25.59	240	240	.0245
[illegible]										[illegible]							
30	14.21	34.440								30	14.21	34.440		25.73	227	228	.0713
50	13.56	34.410								50	13.56	34.410		25.84	216	217	.1159
[illegible]										[illegible]							
100	10.48	34.380								100	10.48	34.380		26.40	163	165	.2080
[illegible]										[illegible]							
150	6.87	34.250								150	6.87	34.250		26.87	119	121	******
200	3.28	34.180								200	3.28	34.180		27.23	85	86	******
250	1.45	34.080								250	1.45	34.080		27.30	78	79	******
[illegible]																	
KOREA ,JI RI SAN , STATION 105-07 , 37-332. N, 130-000. E, MAY.19.1979, 23.20 KST, DEPTH 1480 , COLOR , TRANS. , ,																	
WAVE 1, SWELL 1, WIND SW 2, BARO 1015. , AIR TEMP. DRY 14.5, WET , , CLOUD. TYPE , AMT , WEATHER B ,																	
0	14.15	34.250								0	14.15	34.250		25.60	240	240	.0000
10	14.31	******								10	14.31	******		*****	***	***	******
[illegible]										[illegible]							
30	11.93	34.270								30	11.93	34.270		26.06	196	197	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
50	10.25	34.180								50	10.25	34.180		26.29	174	175	******
75	8.64	34.180								75	8.64	34.180		26.55	149	150	******
100	8.09	34.150								100	8.09	34.150		26.61	143	145	******
125	7.88	34.170								125	7.88	34.170		26.66	139	140	******
150	6.79	34.140								150	6.79	34.140		26.79	126	128	******
200	4.45	34.080								200	4.45	34.080		27.03	104	105	******
250	2.42	33.960								250	2.42	33.960		27.13	94	95	******
300	1.01	33.960															

KOREA ,JI RI SAN , STATION 105-08 , 37-332. N, 130-187. E, MAY.19.1979, 21.20 KST, DEPTH 1503 , COLOR , TRANS. . ,

WAVE 1, SWELL 1, WIND SW 2, BARO 1015.5, AIR TEMP. DRY 15.5, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	15.52	34.410								0	15.52	34.410		25.42	256	256	.0000
10	14.72	34.430								10	14.72	34.430		25.61	238	238	.0248
20	14.70	34.460								20	14.70	34.460		25.64	236	236	.0485
30	14.50	34.430								30	14.50	34.430		25.66	234	234	.0721
50	13.81	34.460								50	13.81	34.460		25.83	218	219	.1175
75	13.15	34.440								75	13.15	34.440		25.95	206	208	.1709
100	12.37	34.410								100	12.37	34.410		26.08	194	196	.2215
125	8.91	34.270								125	8.91	34.270		26.58	146	148	.2647
150	6.32	34.110								150	6.32	34.110		26.83	123	124	.2989
200	2.75	33.970								200	2.75	33.970		27.11	96	97	.3545
250	1.36	33.950								250	1.36	33.950		27.20	88	88	.4009
300	.86	33.960															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,JI RI SAN , STATION 105-09 , 37-332. N, 130-375. E, MAY.19.1979, 19.00 KST, DEPTH 1140 , COLOR , TRANS.

WAVE 1, SWELL 1, WIND SW 1, BARO 1015. , AIR TEMP. DRY 16.5, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	15.40	34.400		0	15.40	34.400		25.44	255	254	.0000
10	14.95	34.400		10	14.95	34.400		25.54	245	245	.0250
20	14.71	34.470		20	14.71	34.470		25.65	235	235	.0491
30	14.45	34.430		30	14.45	34.430		25.67	233	233	.0726
50	13.01	34.440		50	13.01	34.440		25.98	204	205	.1165
75	11.89	34.400		75	11.89	34.400		26.16	186	187	.1656
100	10.52	34.320		100	10.52	34.320		26.35	168	170	.2103
125	9.70	34.270		125	9.70	34.270		26.45	158	161	.2518
150	9.05	34.270		150	9.05	34.270		26.56	148	151	.2908
200	5.12	34.060		200	5.12	34.060		26.94	112	114	.3574
250	2.28	33.980		250	2.28	33.980		27.16	92	93	.4093
300	1.15	33.980									

KOREA ,JI RI SAN , STATION 105-10 , 37-332. N, 130-559. E, MAY.19.1979, 17.00 KST, DEPTH 1850 , COLOR , TRANS. . ,

WAVE , SWELL 1, WIND W 2, BARO 1013.5, AIR TEMP. DRY 20.6, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	15.05	34.410		0	15.05	34.410		25.53	247	246	.0000
10	14.75	34.430		10	14.75	34.430		25.61	239	239	.0243
20	14.00	34.470		20	14.00	34.470		25.80	221	221	.0473
30	11.86	34.410		30	11.86	34.410		26.18	185	185	.0677

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
50	10.98	34.350								50	10.98	34.350		26.29	174	174	.1037
75	10.40	34.290								75	10.40	34.290		26.35	168	170	.1468
100	9.04	34.220								100	9.04	34.220		26.52	152	153	.1873
125	7.56	34.150								125	7.56	34.150		26.69	136	137	.2238
150	5.85	34.070								150	5.85	34.070		26.86	120	121	.2563
200	4.26	34.020								200	4.26	34.020		27.00	106	108	.3139
250	2.20	33.970								250	2.20	33.970		27.15	92	93	.3642
300	1.12	33.970															

6 월 (June)

KOREA ,JI RI SAN , STATION 105-03 , 37-332. N, 129-103. E, JUN.15.1979, 10.00 KST, DEPTH 48 , COLOR 4, TRANS. 9.

WAVE 1, SWELL 1, WIND SE 2, BARO 1016. , AIR TEMP. DRY 22.0, WET . , CLOUD. TYPE AC, AMT 10, WEATHER C ,

0	18.08	33.910								0	18.08	33.910		24.44	350	350	.0000
10	9.93	34.240								10	9.93	34.240		26.39	164	164	.0257
20	7.58	34.210								20	7.58	34.210		26.74	132	132	.0406
30	6.65	34.180								30	6.65	34.180		26.84	121	122	.0533
45	5.60	34.100															

KOREA ,JI RI SAN , STATION 105-04 , 37-332. N, 129-155. E, JUN.15.1979, 10.45 KST, DEPTH 250 , COLOR 4, TRANS. 7.

WAVE 1, SWELL 1, WIND SE 2, BARO 1016. , AIR TEMP. DRY 22.5, WET . , CLOUD. TYPE AC, AMT 10, WEATHER C ,

0	16.30	34.020								0	16.30	34.020		24.95	302	301	.0000
10	11.07	34.070								10	11.07	34.070		26.06	196	196	.0249
20	5.65	34.220								20	5.65	34.220		27.00	106	106	.0401

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
30	4.80	34.150								30	4.80	34.150		27.05	102	102	.0505
50	4.32	34.060								50	4.32	34.060		27.03	104	104	.0712
75	3.07	34.090								75	3.07	34.090		27.18	90	90	.0956
100	2.16	34.010								100	2.16	34.010		27.19	89	89	.1181
125	1.30	34.010								125	1.30	34.010		27.25	83	83	.1396
150	1.21	34.010								150	1.21	34.010		27.26	82	82	.1603
200	.85	34.010								200	.85	34.010		27.28	80	80	.2010
245	.70	34.000															

KOREA ,JI RI SAN STATION 105-05 , 37-332. N, 129-226. E, JUN.15.1979, 11.40 KST, DEPTH 380 , COLOR 4, TRANS. 7. ,

WAVE 1, SWELL 1, WIND SE 2, BARO 1016. , AIR TEMP. DRY 22.5, WET . , CLOUD. TYPE AC, AMT 9, WEATHER C ,

0	16.43	34.040								0	16.43	34.040		24.93	303	303	.0000
10	8.77	34.270								10	8.77	34.270		26.60	144	144	.0224
20	6.23	34.210								20	6.23	34.210		26.92	114	114	.0353
30	4.24	34.150								30	4.24	34.150		27.11	96	96	.0459
50	3.17	34.060								50	3.17	34.060		27.14	93	93	.0649
75	2.43	34.040								75	2.43	34.040		27.19	88	88	.0877
100	2.03	34.030								100	2.03	34.030		27.21	86	86	.1097
125	1.54	34.010								125	1.54	34.010		27.24	84	84	.1311
150	.89	34.040								150	.89	34.040		27.30	78	78	.1515
200	.50	34.040								200	.50	34.040		27.33	76	75	.1899
250	.49	34.020								250	.49	34.020		27.31	77	77	.2282
300	.45	34.130								300	.45	34.130		27.40	68	68	.2646
375	.40	34.040															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D DY
KOREA ,JI RI SAN , STATION 105-06 , 37-332. N, 129-413. E, JUN.15.1979, 13.35 KST, DEPTH 810 , COLOR 4, TRANS. 10. ,																	
WAVE 1, SWELL 1, WIND SE 3, BARO 1015. , AIR TEMP. DRY 22.8, WET . , CLOUD. TYPE AC, AMT 9, WEATHER C ,																	
0	18.31	33.950								0	18.31	33.950		24.41	352	352	.0000
10	17.69	33.980								10	17.69	33.980		24.59	336	336	.0344
20	10.49	34.240								20	10.49	34.240		26.29	173	174	.0600
30	7.80	34.230								30	7.80	34.230		26.72	133	133	.0754
50	5.08	34.150								50	5.08	34.150		27.01	105	105	.0993
75	2.95	34.020								75	2.95	34.020		27.13	94	94	.1244
100	1.55	34.020								100	1.55	34.020		27.24	83	83	.1467
125	1.49	******								125	1.49	******		*****	***	***	******
150	1.12	******								150	1.12	******		*****	***	***	******
200	.89	34.040								200	.89	34.040		27.30	78	78	******
250	.61	34.020								250	.61	34.020		27.30	78	77	******
300	.52	34.020								300	.52	34.020		27.31	77	77	******
400	.42	34.040								400	.42	34.040		27.33	75	75	******
500	.40	34.060															
KOREA ,JI RI SAN , STATION 105-07 , 37-332. N, 130-000. E, JUN.15.1979, 15.30 KST, DEPTH 1480 , COLOR 4, TRANS. 12.																	
WAVE 1, SWELL 1, WIND SE 2, BARO 1015. , AIR TEMP. DRY 24.4, WET . , CLOUD. TYPE AC, AMT 7, WEATHER BC,																	
0	18.39	34.100								0	18.39	34.100		24.51	343	343	.0000
10	17.99	34.330								10	17.99	34.330		24.78	317	317	.0331
20	15.98	34.010								20	15.98	34.010		25.01	295	296	.0638
30	14.60	34.450								30	14.60	34.450		25.65	234	235	.0904
50	13.51	34.440								50	13.51	34.440		25.88	213	214	.1354

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
75	11.87	34.450								75	11.87	34.450		26.21	183	183	.1852
100	10.78	34.410								100	10.78	34.410		26.38	166	168	.2292
125	10.30	34.360								125	10.30	34.360		26.42	161	164	.2707
150	7.80	34.220								150	7.80	34.220		26.71	134	136	.3083
200	4.95	34.120								200	4.95	34.120		27.01	106	108	.3695
250	2.51	34.060								250	2.51	34.060		27.20	88	88	.4188
300	1.08	34.010								300	1.08	34.010		27.27	81	81	.4615
400	.80	34.020								400	.80	34.020		27.29	79	79	.5421
500	.69	34.040															

KOREA ,JI RI SAN , STATION 105-08 , 37-332. N, 130-187. E, JUN.15.1979, 17.25 KST, DEPTH 1503 , COLOR 3, TRANS. 19.

WAVE 2, SWELL 1, WIND SE 2, BARO 1016. , AIR TEMP. DRY 25.5, WET . , CLOUD. TYPE AC, AMT 2, WEATHER B .

0	18.71	34.120								0	18.71	34.120		24.44	350	349	.0000
10	17.99	34.240								10	17.99	34.240		24.71	324	324	.0337
20	16.38	34.260								20	16.38	34.260		25.11	286	286	.0643
30	15.36	34.410								30	15.36	34.410		25.46	253	254	.0913
50	13.29	34.430								50	13.29	34.430		25.91	210	211	.1378
75	11.04	34.000								75	11.04	34.000		26.01	200	202	.1895
100	10.89	34.360								100	10.89	34.360		26.32	171	173	.2365
125	10.53	34.360								125	10.53	34.360		26.38	165	168	.2792
150	9.42	34.290								150	9.42	34.290		26.59	153	155	.3197
200	6.00	34.150								200	6.00	34.150		26.90	116	118	.3883
250	2.78	34.100								250	2.78	34.100		27.21	87	88	.4400
300	1.25	34.030								300	1.25	34.030		27.27	81	81	.4824

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA JI RI SAN , STATION 105-09 , 37-332. N, 130-375. E, JUN.15.1979, 19.15 KST, DEPTH 1140 , COLOR 3, TRANS. 13. ,

WAVE 1, SWELL 1, WIND S 2, BARO 1016. , AIR TEMP. DRY 20.5, WET . , CLOUD. TYPE AC, AMT 7, WEATHER BC,

0	19.04	34.250								0	19.04	34.250		24.46	348	348	.0000
10	17.70	34.240								10	17.70	34.240		24.78	317	317	.0333
20	16.97	34.320								20	16.97	34.320		25.02	295	295	.0639
30	16.50	34.420								30	16.50	34.420		25.21	277	277	.0926
50	12.22	34.400								50	12.22	34.400		26.10	192	193	.1397
75	10.75	34.360								75	10.75	34.360		26.34	169	170	.1857
100	9.78	34.310								100	9.78	34.310		26.47	157	158	.22
125	9.73	34.300								125	9.73	34.300		26.47	157	159	.266
150	7.65	34.200								150	7.65	34.200		26.72	133	135	.3032
200	5.17	34.100								200	5.17	34.100		26.96	110	112	.3652
250	2.30	34.040								250	2.30	34.040		27.20	87	88	.4155
300	1.23	34.020								300	1.23	34.020		27.26	81	82	.4582
400	.89	34.010								400	.89	34.010		27.28	80	80	.5392
500	.73	34.020															

KOREA ,JI RI SAN , STATION 105-10 , 37-332. N, 130-559. E, JUN.15.1979, 21.10 KST, DEPTH 1850 , COLOR , TRANS.

WAVE 2, SWELL 2, WIND S 3, BARO 1016. , AIR TEMP. DRY 20.0, WET . , CLOUD. TYPE , AMT , WEATHER BC,

0	18.95	34.220								0	18.95	34.220		24.46	348	348	.0000
10	17.70	34.25								10	17.70	34.250		24.79	316	316	.0333
20	16.40	34.350								20	16.40	34.350		25.18	280	280	.0631
30	12.14	34.420								30	12.14	34.420		26.13	189	189	.0867
50	10.55	34.350								50	10.55	34.350		26.37	166	167	.1324

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
75	10.25	34.340								75	10.25	34.340		26.41	162	163	.1638
100	8.45	34.250								100	8.45	34.250		26.64	141	142	.2022
125	8.40	34.240								125	8.40	34.240		26.64	141	143	.2379
150	7.30	34.180								150	7.30	34.180		26.75	130	132	.2724
200	3.73	34.060								200	3.73	34.060		27.09	98	99	.3305
250	2.30	34.020								250	2.30	34.020		27.19	89	90	.3780
300	1.23	34.020								300	1.23	34.020		27.26	81	82	.4211
400	.85	34.020								400	.85	34.020		27.29	79	79	.5020
500	.64	34.010															

KOPEA ,JI PI SAN . STATION 105-11 , 37-332. N, 131-146. E, JUN.15.1979, 23.05 KST, DEPTH 2375 , COLOR , TRANS. . .

WAVE 2, SWELL 2, WIND S 3, BARO 1016. , AIR TEMP. DRY 20.6, WET . , CLOUD. TYPE , AMT , WEATHER BC,

0	18.90	34.220								0	18.90	34.220		24.47	347	347	.0000
10	18.70	34.240								10	18.70	34.240		24.54	341	341	.0344
20	17.55	34.370								20	17.55	34.370		24.92	304	305	.0667
30	14.34	34.450								30	14.34	34.450		25.71	229	230	.0935
50	12.91	34.400								50	12.91	34.400		25.97	205	206	.1371
75	11.70	34.450								75	11.70	34.450		26.24	179	180	.1854
100	10.87	34.410								100	10.87	34.410		26.36	167	169	.2292
125	10.67	34.380								125	10.67	34.380		26.37	166	169	.2716
150	10.20	34.320								150	10.20	34.320		26.41	163	166	.3135
200	7.55	34.200								200	7.55	34.200		26.73	132	135	.3888
250	4.73	34.090								250	4.73	34.090		27.01	106	108	.4498
300	1.86	34.020								300	1.86	34.020		27.22	86	86	.4987

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

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KOREA ,JI RI SAN , STATION 105-03 , 37-332. N, 129-103. E, AUG. 9.1979, 15.45 KST, DEPTH 48 , COLOR 3, TRANS. 10. ,

WAVE 1, SWELL 1, WIND SE 2, BARO 1003.5, AIR TEMP. DRY 24.6, WET . , CLOUD. TYPE AC, AMT 2, WEATHER B ,

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	22.94	33.360								0	22.94	33.360		22.73	513	513	.0000
10	14.05	34.270								10	14.05	34.270		25.63	236	236	.0375
20	12.30	34.320								20	12.30	34.320		26.02	199	199	.0593
30	8.52	34.230								30	8.52	34.230		26.61	143	144	.0765
45	6.83	34.180															

KOREA ,JI RI SAN , STATION 105-04 , 37-332. N, 129-155. E, AUG. 9.1979, 16.35 KST, DEPTH 250 , COLOR 3, TRANS. 12. ,

WAVE 1, SWELL 1, WIND SE 2, BARO 1009. , AIR TEMP. DRY 24.0, WET , CLOUD. TYPE AC, AMT 2, WEATHER B ,

0	22.07	33.350								0	22.07	33.350		22.97	490	490	.0000
10	19.80	33.480								10	19.80	33.480		23.68	423	423	.0457
20	13.45	34.260								20	13.45	34.260		25.75	225	226	.0781
30	9.03	34.250								30	9.03	34.250		26.55	149	150	.0969
50	5.74	34.130								50	5.74	34.130		26.92	114	114	.1235
75	4.30	34.080								75	4.30	34.080		27.05	102	103	.1507
100	3.52	34.000								100	3.52	34.000		27.06	101	101	.1763
125	2.14	34.020								125	2.14	34.020		27.20	88	88	.2000
150	1.70	34.020								150	1.70	34.020		27.23	35	85	.2217
200	1.20	34.020								200	1.20	34.020		27.27	81	81	.2635
245	.97	34.010															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,JI RI SAN , STATION 105-05 , 37-332. N, 129-226. E, AUG. 9.1979, 17.35 KST, DEPTH 380 , COLOR 3, TRANS. 14. ,																	
WAVE 1, SWELL 1, WIND SE 2, BARO 1009. , AIR TEMP. DRY 23.4, WET . , CLOUD. TYPE AC, AMT 2, WEATHER B ,																	
0	23.05	33.220								0	23.05	33.220		22.59	526	526	.0000
10	19.71	33.390								10	19.71	33.390		23.63	427	427	.0477
20	15.71	33.990								20	15.71	33.990		25.06	291	291	.0836
30	12.80	34.250								30	12.80	34.250		25.87	214	214	.1090
50	9.54	34.230								50	9.54	34.230		26.45	159	160	.1464
75	5.61	34.150								75	5.61	34.150		26.95	111	112	.1805
100	2.90	34.040								100	2.90	34.040		27.15	92	93	.2061
125	2.12	34.090								125	2.12	34.090		27.26	82	82	.2281
150	1.30	34.040								150	1.30	34.040		27.28	80	80	.2486
200	1.05	34.040								200	1.05	34.040		27.29	79	79	.2886
250	.80	34.050								250	.80	34.050		27.32	76	76	.3276
300	.68	34.050								300	.68	34.050		27.32	76	76	.3658
375	.61	34.030															
KOREA ,JI RI SAN , STATION 105-06 , 37-332. N, 129-413. E, AUG. 9.1979, 19.35 KST, DEPTH 810 , COLOR , TRANS. . ,																	
WAVE 1, SWELL 1, WIND SE 2, BARO 1009. , AIR TEMP. DRY 22.5, WET . , CLOUD. TYPE , AMT , WEATHER B ,																	
0	21.35	33.450								0	21.35	33.450		23.24	464	464	.0000
10	20.65	33.370								10	20.65	33.370		23.37	452	452	.0458
20	19.87	33.800								20	19.87	33.800		23.90	401	401	.0885
30	14.69	34.350								30	14.69	34.350		25.56	243	244	.1209
50	10.73	34.370								50	10.73	34.370		26.35	168	169	.1622

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
75	8.10	34.360								75	8.10	34.360		26.78	128	129	.1995
100	7.21	34.250								100	7.21	34.250		26.82	124	125	.2313
125	6.75	34.130								125	6.75	34.130		26.79	126	128	.2630
150	3.73	34.090								150	3.73	34.090		27.11	96	97	.2913
200	2.02	34.050								200	2.02	34.050		27.23	85	85	.3369
250	1.35	34.020								250	1.35	34.020		27.26	82	82	.3790
300	.98	34.020								300	.98	34.020		27.28	80	80	.4198
400	.66	34.020								400	.66	34.020		27.30	78	78	.4992
500	.53	34.020															

KOREA ,JI RI SAN , STATION 105-07 , 37-332. N, 130-000. E, AUG. 9.1979, 21.40 KST, DEPTH 1480 , COLOR , TRANS. ,

WAVE 1, SWELL 1, WIND SE 2, BARO 1009. , AIR TEMP. DRY 24.0, WET , CLOUD. TYPE , AMT , WEATHER B ,

0	23.97	33.630								0	23.97	33.630		22.64	522	522	.0000
10	24.09	33.660								10	24.09	33.660		22.62	523	523	.0523
20	18.21	34.210								20	18.21	34.210		24.64	331	331	.0951
30	16.12	34.360								30	16.12	34.360		25.25	273	274	.1254
50	13.83	34.430								50	13.83	34.430		25.80	220	221	.1750
75	11.38	34.410								75	11.38	34.410		26.27	176	178	.2249
100	10.59	34.360								100	10.59	34.360		26.37	166	168	.2683
125	10.47	34.340								125	10.47	34.340		26.38	166	168	.3104
150	10.03	34.340								150	10.03	34.340		26.45	159	161	.3517
200	8.61	34.270								200	8.61	34.270		26.63	142	145	.4286
250	5.93	34.140								250	5.93	34.140		26.90	116	119	.4947
300	3.12	34.070								300	3.12	34.070		27.15	92	93	.5479
400	1.21	34.020								400	1.21	34.020		27.27	81	82	.6360
500	.75	34.030															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA ,JI RI SAN , STATION 105-08 , 37-332. N, 130-187. E, AUG. 9.1979, 23.45 KST, DEPTH 1503 , COLOR , TRANS.																	
WAVE 1, SWELL 1, [illegible] SE 3, BARO 1010. , AIR TEMP. DRY 23.9, WET . , CLOUD. TYPE , AMT , WEATHER B ,																	
0	23.72	33.910								0	23.72	33.910		22.92	495	494	.0000
10	23.80	33.910								10	23.80	33.910		22.90	497	497	.0496
20	19.15	34.240								20	19.15	34.240		24.42	351	352	.0921
30	17.19	34.230								30	17.19	34.230		24.90	306	307	.1251
50	14.06	34.420								50	14.06	34.420		25.75	226	227	.1785
75	11.31	34.400								75	11.31	34.400		26.27	176	177	.2291
100	10.59	34.380								100	10.59	34.380		26.39	165	167	.2722
125	10.39	34.330								125	10.39	34.330		26.38	165	167	.3141
150	10.27	34.350								150	10.27	34.350		26.42	162	165	.3557
200	9.32	34.290								200	9.32	34.290		26.53	151	155	.4357
250	8.14	34.240								250	8.14	34.240		26.68	137	141	.5099
300	3.82	34.060								300	3.82	34.060		27.08	99	101	.5707
400	1.01	34.030								400	1.01	34.030		27.29	79	79	.6615
500	.69	34.020															
KOPEA ,JI RI SAN , STATION 105-09 , 37-332. N, 130-375. E, AUG.10.1979, 01.40 KST, DEPTH 1140 , COLOR , TRANS.																	
WAVE 1, SWELL 1, WIND S 3, BARO 1010. , AIR TEMP. DRY 24.2, WET , CLOUD. TYPE , AMT , WEATHER B ,																	
0	24.22	33.900								0	24.22	33.900		22.77	510	509	.0000
10	24.20	33.880								10	24.20	33.880		22.76	510	510	.0510
20	23.20	33.810								20	23.20	33.810		23.00	488	488	.1010
30	18.30	34.180								30	18.30	34.180		24.59	335	336	.1473

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
75	12.33	34.450								75	12.33	34.450		26.12	190	192	.2528
100	10.95	34.370								100	10.95	34.370		26.31	172	174	.2986
125	10.39	34.370								125	10.39	34.370		26.41	162	165	.3410
150	10.30	34.340								150	10.30	34.340		26.41	163	166	.3824
200	9.22	34.260								200	9.22	34.260		26.52	152	155	.4629
250	8.50	34.250								250	8.50	34.250		26.63	142	146	.5384
300	3.75	34.210								300	3.75	34.210		27.21	87	89	.5974
400	1.80	34.170								400	1.80	34.170		27.34	74	75	.6799
500	.65	34.160															

KOREA ,JI RI SAN , STATION 105-10 , 37-332. N, 130-559. E, AUG.10.1979, 03.40 KST, DEPTH 1850 , COLOR , TRANS.

WAVE 1, SWELL 1, WIND SW 3, BARO 1010. , AIR TEMP. DRY 24.2, WET , CLOUD. TYPE , AMT , WEATHER B ,

0	24.34	33.630								0	24.34	33.630		22.53	532	532	.0000
10	23.08	33.900								10	23.08	33.900		23.10	478	478	.0505
20	19.05	34.170								20	19.05	34.170		24.39	354	354	.0922
30	19.02	34.340								30	19.02	34.340		24.53	341	342	.1271
50	14.40	34.410								50	14.40	34.410		25.67	233	234	.1848
75	11.51	34.400								75	11.51	34.400		26.23	179	181	.2367
100	10.51	34.370								100	10.51	34.370		26.39	164	166	.2802
125	10.40	34.360								125	10.40	34.360		26.40	163	165	.3217
150	10.20	34.340								150	10.20	34.340		26.42	161	164	.3630
200	8.22	34.250								200	8.22	34.250		26.67	138	141	.4395
250	4.93	34.120								250	4.93	34.120		27.01	106	108	.5020
300	2.51	34.060								300	2.51	34.060		27.20	88	89	.5514
400	.23	34.020								400	.23	34.020		27.32	76	75	.6338
500	.58	34.240															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	Si	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,JI RI SAN STATION 105-11 37-332. N, 131-146. E, AUG.10.1979, 05.[illegible] EST, DEPTH 2370 , COLOR , TRANS.

WAVE 1, SWELL 1, WIND SW 3, BARO 1010.5, AIR TEMP. DRY 24.2, WET . , CLOUD. TYPE , AMT , WEATHER B

0	23.83	34.000		0	23.83	34.000		22.96	491	491	.0000
10	23.80	33.990		10	23.80	33.990		22.96	491	491	.0492
20	20.53	34.080		20	20.53	34.080		23.94	397	398	.0937
30	18.70	34.200		30	18.70	34.200		24.51	344	344	.1308
50	15.14	34.380		50	15.14	34.380		25.48	251	252	.1905
75	12.40	34.430		75	12.40	34.430		26.09	193	194	.2464
100	10.78	34.370		100	10.78	34.370		26.34	169	171	.2921
125	10.55	34.370		125	10.55	34.370		26.38	165	167	.3345
150	9.10	34.350		150	9.10	34.350		26.61	143	146	.3737
200	9.38	34.260		200	9.38	34.260		26.50	154	158	.4498
250	8.57	34.210		250	8.57	34.210		26.59	146	150	.5270
300	3.88	34.160		300	3.88	34.160		27.15	92	94	.5882
400	.82	34.020		400	.82	34.020		27.29	79	79	.6753
500	.89	34.000									

10 월 (October)

KOREA ,JI RI SAN , STATION 105-03 , 37-332. N, 129-103. E, OCT.17.1979, 12.20 KST, DEPTH 49 , COLOR 2, TRANS. 12.

WAVE 1, SWELL 1, WIND NE 3, BARO 1023. , AIR TEMP. DRY 20.1, WET . , CLOUD. TYPE CU, AMT 3, WEATHER BC,

0	20.30	32.940		0	20.30	32.940		23.14	474	474	.0000
10	20.35	32.830		10	20.35	32.830		23.04	483	483	.0479
20	20.35	32.930		20	20.35	32.930		23.12	476	477	.0960
30	16.92	33.520		30	16.92	33.520		24.42	352	352	.1375
45	3.22	34.160									

OBSERVED										WITH DEPTH CALCULATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA ,JI RI SAN , STATION 105-04 , 37-332. N, 129-155. E, OCT.17.1979, 11.35 KST, DEPTH 250 , COLOR 2, TRANS. 14. ,																	
WAVE 1, SWELL 1, WIND SW 3, BARO 1023. , AIR TEMP. DRY 19.9, WET . , CLOUD. TYPE CU, AMT 5, WEATHER BC,																	
0	20.15	32.940								0	20.15	32.940		23.18	470	470	.0000
10	20.10	32.890								10	20.10	32.890		23.15	473	473	.0472
20	20.07	33.060								20	20.07	33.060		23.29	460	460	.0939
30	11.30	34.020								30	11.30	34.020		25.98	203	204	.1271
50	4.32	34.070								50	4.32	34.070		27.04	103	103	.1579
75	2.60	34.010								75	2.60	34.010		27.15	92	92	.1825
100	1.78	33.980								100	1.78	33.980		27.19	88	88	.2051
125	1.21	33.970								125	1.21	33.970		27.23	85	85	.2269
150	.89	33.960								150	.89	33.960		27.24	84	84	.2481
200	.75	33.980								200	.75	33.980		27.26	82	81	.2896
245	.70	33.960															
KOREA ,JI RI SAN , STATION 105-05 , 37-332. N, 129-226. E, OCT.17.1979, 10.30 KST, DEPTH 380 , COLOR 2, TRANS. 16.																	
WAVE 1, SWELL 1, WIND NE 3, BARO 1023. , AIR TEMP. DRY 19.8, WET . , CLOUD. TYPE AS, AMT 7, WEATHER BC,																	
0	20.42	33.050								0	20.42	33.050		23.19	469	469	.0000
10	20.40	33.370								10	20.40	33.370		23.44	446	446	.0458
20	20.30	33.420								20	20.30	33.420		23.50	439	440	.0901
30	11.55	33.870								30	11.55	33.870		25.82	219	219	.1231

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
50	9.72	34.160								50	9.72	34.160		26.56	167	168	.1619
75	7.43	34.140								75	7.43	34.140		26.70	135	136	.1999
100	3.85	34.040								100	3.85	34.040		27.06	101	101	.2296
125	1.92	33.980								125	1.92	33.980		27.18	89	89	.2536
150	.95	33.990								150	.95	33.990		27.26	82	82	.2751
200	.69	33.970								200	.69	33.970		27.26	82	82	.3162
250	.59	34.000								250	.59	34.000		27.29	79	79	.3566
300	.47	34.000															

KOREA ,JI RI SAN , STATION 105-06 , 37-332. N, 129-413. E, OCT.17.1979, 08.35 KST, DEPTH 810 , COLOR 2, TRANS. 17. ,

WAVE 1, SWELL 1, WIND NE 2, BARO 1023. , AIR TEMP. DRY 19.8, WET . , CLOUD. TYPE CU, AMT 6, WEATHER BC,

0	21.60	33.400								0	21.60	33.400		23.14	474	474	.0000
10	21.22	34.060								10	21.22	34.060		23.74	417	417	.0446
20	21.17	34.010								20	21.17	34.010		23.72	419	419	.0864
30	20.98	33.990								30	20.98	33.990		23.75	415	416	.1282
50	19.21	33.960								50	19.21	33.960		24.19	373	375	.2074
75	15.42	33.990								75	15.42	33.990		25.12	285	287	.2902
100	15.26	34.000								100	15.26	34.000		25.16	281	283	.3615
125	14.65	34.140								125	14.65	34.140		25.40	258	261	.4297
150	4.48	34.060								150	4.48	34.060		27.01	105	107	.4758
200	1.90	33.980								200	1.90	33.980		27.18	89	89	.5250
250	1.13	33.980								250	1.13	33.980		27.24	84	84	.5686
300	.85	33.960								300	.85	33.960		27.24	84	84	.6107
400	.64	33.990								400	.64	33.990		27.28	80	80	.6929
500	.58	33.990															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	21.14	33.340								0	21.14	33.340		23.22	467	466	.0000
10	21.47	33.270								10	21.47	33.270		23.07	480	480	.0474
20	21.26	33.410								20	21.26	33.410		23.24	465	465	.0947
30	21.02	33.570								30	21.02	33.570		23.42	447	447	.1404
50	20.13	33.590								50	20.13	33.590		23.67	423	424	.2276
75	16.31	33.970								75	16.31	33.970		24.90	306	307	.3192
100	14.65	34.250								100	14.65	34.250		25.49	250	252	.3893
125	11.48	34.090								125	11.48	34.090		26.00	201	204	.4464
150	9.69	34.250								150	9.69	34.250		26.44	160	162	.4924
200	8.28	34.040								200	8.28	34.040		26.50	154	157	.5725
250	4.90	33.980								250	4.90	33.980		26.90	116	118	.6416
300	1.20	33.910								300	1.20	33.910		27.18	90	90	.6938
400	.72	33.930								400	.72	33.930		27.22	85	85	.7817
500	.57	33.840															

KOREA ,JI RI SAN , STATION 105-08 , 37-332. N, 130-187. E, OCT.17.1979, 04.40 KST, DEPTH 1503 , COLOR , TRANS. ,

WAVE 1, SWELL 1, WIND NE 2, BARO 1024. , AIR TEMP. DRY 19.5, WET . , CLOUD. TYPE , AMT , WEATHER B ,

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	21.18	33.420								0	21.18	33.420		23.27	462	462	.0000
10	21.20	33.370								10	21.20	33.370		23.22	466	466	.0464
20	21.00	33.360								20	21.00	33.360		23.27	462	462	.0929
30	20.96	33.450								30	20.96	33.450		23.35	454	455	.1387
50	19.10	33.520								50	19.10	33.520		23.89	403	404	.2247

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
75	16.53	33.540								75	16.53	33.540		24.52	342	344	.3182
100	15.38	34.190								100	15.38	34.190		25.28	270	272	.3953
125	12.60	34.360								125	12.60	34.360		26.00	202	205	.4550
150	10.71	34.270								150	10.71	34.270		26.28	175	178	.5029
200	9.20	34.190								200	9.20	34.190		26.47	157	160	.5876
250	4.88	34.040								250	4.88	34.040		26.95	111	114	.6563
300	1.48	33.890								300	1.48	33.890		27.14	93	93	.7082
400	.76	33.950								400	.76	33.950		27.24	84	84	.7972
500	.59	33.950															

KOREA ,JI RI SAN , STATION 105-09 , 37-332. N, 130-375. E, OCT.17.1979, 02.40 KST, DEPTH 1140 , COLOR , TRANS. . ,

WAVE 1, SWELL 1, WIND NE 1, BARO 1024. , AIR TEMP. DRY 19.5, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	20.82	33.470								0	20.82	33.470		23.40	449	449	.0000
10	20.90	33.450								10	20.90	33.450		23.36	452	452	.0451
20	20.85	33.600								20	20.85	33.600		23.49	440	441	.0898
30	20.84	33.860								30	20.84	33.860		23.69	421	422	.1330
50	18.97	34.190								50	18.97	34.190		24.43	351	352	.2105
75	16.30	34.310								75	16.30	34.310		25.17	281	282	.2899
100	13.95	34.310								100	13.95	34.310		25.68	231	234	.3545
125	12.60	34.290								125	12.60	34.290		25.94	207	210	.4101
150	10.94	34.200								150	10.94	34.200		26.18	184	187	.4598
200	9.70	34.120								200	9.70	34.120		26.34	169	173	.5501
250	7.60	33.980								250	7.60	33.980		26.55	149	153	.6318
300	2.71	33.940								300	2.71	33.940		27.09	98	99	.6951
400	.92	33.930								400	.92	33.930		27.21	86	86	.7885

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	21.00	33.950								0	21.00	33.950		23.72	419	419	.0000
10	21.02	33.430								10	21.02	33.430		23.32	457	457	.0438
20	21.05	33.390								20	21.05	33.390		23.28	461	461	.0898
30	21.02	33.420								30	21.02	33.420		23.31	458	458	.1358
50	20.31	33.550								50	20.31	33.550		23.60	430	431	.2249
75	17.71	33.650								75	17.71	33.650		24.33	360	362	.3242
100	15.21	33.640								100	15.21	33.640		24.90	306	309	.4082
125	12.01	33.580								125	12.01	33.580		25.51	248	251	.4782
150	10.21	33.630								150	10.21	33.630		25.87	214	217	.5368
200	9.21	33.340								200	9.21	33.340		25.81	220	223	.6470
250	8.13	33.890								250	8.13	33.890		26.40	163	167	.7447
300	6.58	34.070								300	6.58	34.070		26.76	129	133	.8199
400	3.02	34.000								400	3.02	34.000		27.11	96	98	.9359
500	1.51	33.890															

KOREA ,JI RI SAN , STATION 105-11 , 37-332. N, 131-146. E, OCT.16.1979, 22.45 KST, DEPTH 2375 , COLOR , TRANS. . ,

WAVE 1, SWELL 1, WIND NE 3, BARO 1025. , AIR TEMP. DRY 19.3, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	20.10	33.390								0	20.10	33.390		23.53	437	436	.0000
10	20.57	33.440								10	20.57	33.440		23.44	445	445	.0441
20	21.01	33.520								20	21.01	33.520		23.39	450	451	.0889
30	20.21	33.720								30	20.21	33.720		23.75	415	416	.1323
50	19.21	33.670								50	19.21	33.670		23.97	394	396	.2156

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
75	16.30	34.170								75	16.30	34.170		25.06	291	293	.2997
100	14.62	34.290								100	14.62	34.290		25.53	246	249	.3675
125	11.00	34.320								125	11.00	34.320		26.27	176	179	.4210
150	10.54	34.290								150	10.54	34.290		26.32	171	174	.4652
200	10.23	34.290								200	10.23	34.290		26.38	165	169	.5512
250	9.49	34.200								250	9.49	34.200		26.43	160	165	.6350
300	8.62	34.190								300	8.62	34.190		26.56	148	153	.7147
400	6.02	34.140								400	6.02	34.140		26.89	117	122	524
500	3.70	34.100															

12 월 (December)

KOREA ,JI RI SAN , STATION 105-03 , 37-332. N, 129-103. E, DEC.17.1979, 01.50 KST, DEPTH 48 , COLOR , TRANS. . ,

WAVE 1, SWELL 1, : NO NW 2, BARO 1026. , AIR TEMP. DRY 8.6, WET . , CLOUD. TYPE AMT , WEATHER ,

0	15.91	34.280								0	15.91	34.280		25.23	274	274	.0000
10	16.00	34.280								10	16.00	34.280		25.21	276	276	.0276
20	15.66	34.290								20	15.66	34.290		25.30	268	268	.0548
30	14.61	34.310								30	14.61	34.310		25.54	245	245	.0806
45	14.40	34.320															

OBSERVED									INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA T	D T	SVA	D-DY

KOREA ,JI RI SAN , STATION 105-04 , 37-332. N, 129-155. E, DEC.17.1979, 01.00 KST, DEPTH 250 , COLOR , TRANS.

WAVE 1, SWELL 1, WIND NW 2, BARO 1027. , AIR TEMP. DRY 9.3, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	16.04	34.280								0	16.04	34.280		25.20	277	277	.0000
10	16.10	34.290								10	16.10	34.290		25.20	278	278	.0278
20	15.10	34.320								20	15.10	34.320		25.45	254	254	.0544
30	15.00	34.280								30	15.00	34.280		25.44	255	255	.0800
50	15.80	34.360								50	15.80	34.360		25.32	266	267	.1323
75	13.80	34.470								75	13.80	34.470		25.84	217	218	.1931
100	11.50	34.490								100	11.50	34.490		26.31	172	174	.2424
125	7.60	34.360								125	7.60	34.360		26.85	121	122	.2796
150	2.30	34.180								150	2.30	34.180		27.31	77	77	.3046
200	1.05	34.150								200	1.05	34.150		27.38	70	70	.3418
245	.70	34.150															

KOREA ,JI RI SAN , STATION 105-05 , 37-332. N, 129-226. E, DEC.16.1979, 23.50 KST, DEPTH 380 , COLOR , TRANS.

WAVE 1, SWELL 1, WIND NW 2, BARO 1027. , AIR TEMP. DRY 10.0, WET , CLOUD. TYPE , AMT , WEATHER ,

0	15.90	34.280								0	15.90	34.280		25.24	274	274	.0000
10	16.35	34.310								10	16.35	34.310		25.16	282	282	.0278
20	16.45	34.290								20	16.45	34.290		25.12	285	286	.0562
30	16.40	34.290								30	16.40	34.290		25.13	284	285	.0843
50	16.43	34.310								50	16.43	34.310		25.14	283	285	.1418
75	15.85	34.290								75	15.85	34.290		25.25	272	274	.2118

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
100	11.05	34.450								100	11.05	34.450		26.36	167	169	.2673
125	10.20	34.450								125	10.20	34.450		26.51	153	155	.3080
150	7.80	34.320								150	7.80	34.320		26.79	126	129	.3437
200	4.13	34.190								200	4.13	34.190		27.15	92	94	.3995
250	1.60	34.160								250	1.60	34.160		27.35	73	74	.4416
300	.87	34.120								300	.87	34.120		27.37	72	72	.4781
375	.72	34.150															

KOREA ,JI RI SAN , STATION 105-06 , 37-332. N, 129-413. E, DEC.16.1979, 21.55 KST, DEPTH 810 , COLOR , TRANS.

WAVE 1, SWELL 1, WIND NW 3, BARO 1028. , AIR TEMP. DRY 9.5, WET . , CLOUD. TYPE , AMT , WEATHER

0	14.70	34.270								0	14.70	34.270		25.49	250	249	.0000
10	14.90	34.250								10	14.90	34.250		25.44	255	255	.0253
20	15.00	34.240								20	15.00	34.240		25.41	258	258	.0510
30	15.03	34.240								30	15.03	34.240		25.40	259	259	.0769
50	14.85	34.220								50	14.85	34.220		25.42	256	257	.1286
75	14.70	34.200								75	14.70	34.200		25.44	255	256	.1930
100	14.50	34.230								100	14.50	34.230		25.51	248	251	.2565
125	11.65	34.520								125	11.65	34.520		26.30	173	175	.3099
150	10.38	34.460								150	10.38	34.460		26.48	155	158	.3517
200	8.78	34.380								200	8.78	34.380		26.69	136	139	.4264
250	6.75	34.310								250	6.75	34.310		26.93	113	116	.4906
300	3.10	34.220								300	3.10	34.220		27.28	80	82	.5405
400	1.72	34.180								400	1.72	34.180		27.36	73	73	.6187
500	1.20	34.140															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,JI RI SAN , STATION 105-07 , 37-332. N, 130-000. E, DEC.16.1979, 19.55 KST, DEPTH 1480 , COLOR , TRANS.																	
WAVE 1, SWELL 1, WIND NW 2, BARO 1023. , AIR TEMP. DRY 9.0, WET . , CLOUD. TYPE , AMT , WEATHER ,																	
0	14.05	34.180								0	14.05	34.180		25.56	243	243	.0000
10	14.35	34.180								10	14.35	34.180		25.50	249	249	.0246
20	14.45	34.180								20	14.45	34.180		25.48	251	251	.0497
30	14.48	34.200								30	14.48	34.200		25.49	250	251	.0748
50	14.46	34.210								50	14.46	34.210		25.50	249	250	.1250
75	14.50	34.190								75	14.50	34.190		25.48	251	253	.1880
100	14.40	34.180								100	14.40	34.180		25.49	250	252	.2513
125	10.55	34.460								125	10.55	34.460		26.45	158	161	.3030
150	10.25	34.580								150	10.25	34.580		26.60	144	147	.3417
200	9.87	34.480								200	9.87	34.480		26.59	146	149	.4161
250	8.64	34.380								250	8.64	34.380		26.71	134	138	.4882
300	5.50	34.270								300	5.50	34.270		27.06	101	104	.5491
400	2.43	34.210								400	2.43	34.210		27.33	76	77	.6403
500	1.36	34.140															
KOREA ,JI PI SAN , STATION 105-03 , 37-332. N, 130-127. E, DEC.16.1979, 18.00 KST, DEPTH 1503 , COLOR , TRANS.																	
WAVE 1, SWELL 1, WIND NW 2, BARO 1023. , AIR TEMP. DRY 9.0, WET . , CLOUD. TYPE , AMT , WEATHER C ,																	
0	14.60	34.230								0	14.60	34.230		25.48	250	250	.0000
10	14.60	34.220								10	14.60	34.220		25.48	251	251	.0251
20	14.60	34.220								20	14.60	34.220		25.48	251	251	.0503
30	14.55	34.210								30	14.55	34.210		25.48	251	251	.0755
50	14.50	34.210								50	14.50	34.210		25.49	250	251	.1258

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D DY
75	14.50	34.220								75	14.50	34.220		25.50	249	251	.1886
100	13.85	34.450								100	13.85	34.450		25.81	219	222	.2478
125	10.40	34.490								125	10.40	34.490		26.50	153	156	.2951
150	10.20	34.450								150	10.20	34.450		26.51	153	156	.3342
200	9.30	34.380								200	9.30	34.380		26.60	144	148	.4103
250	8.10	34.320								250	8.10	34.320		26.75	131	135	.4811
300	3.60	34.190								300	3.60	34.190		27.20	87	89	.5373
400	1.77	34.140								400	1.77	34.140		27.32	76	77	.6209
500	1.07	34.110															

KOREA ,JI RI SAN , STATION 105_09 37-332. N, 130-375. E, DEC.14.1979, 22.55 KST, DEPTH 1140 , COLOR , TRANS.

WAVE 4, SWELL 3, WIND NW 5, BARO 1022. , AIR TEMP. DRY 10.2, WET , CLOUD. TYPE , AMT , WEATHER BC,

0	14.30	34.170								0	14.30	34.170		25.50	249	248	.0000
10	14.45	34.200								10	14.45	34.200		25.49	250	249	.0249
20	14.55	34.180								20	14.55	34.180		25.46	253	253	.0501
30	14.60	34.180								30	14.60	34.180		25.45	254	255	.0756
50	14.55	34.200								50	14.55	34.200		25.47	252	253	.1264
75	14.55	34.180								75	14.55	34.180		25.46	253	255	.1899
100	14.53	34.180								100	14.53	34.180		25.46	253	255	.2538
125	10.44	34.450								125	10.44	34.450		26.47	157	159	.3057
150	10.13	34.440								150	10.13	34.440		26.51	153	156	.3452
200	9.10	34.380								200	9.10	34.380		26.64	141	144	.4205
250	7.10	34.330								250	7.10	34.330		26.90	116	120	.4868
300	4.21	34.250								300	4.21	34.250		27.19	88	91	.5397
400	2.13	34.180								400	2.13	34.180		27.33	75	77	.6241

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,JI RI SAN , STATION 105-10 , 37-332. N, 130-559. E, DEC.14.1979, 21.00 KST, DEPTH 1850 , COLOR , TRANS. . ,

WAVE 3, SWELL 3, WIND NW 5, BARO 1022. , AIR TEMP. DRY 9.5, WET . , CLOUD. TYPE , AMT , WEATHER BC,

0	14.35	34.220	0	14.35	34.220	25.53	246	246	.0000
10	14.70	34.200	10	14.70	34.200	25.44	255	255	.0251
20	14.85	34.210	20	14.85	34.210	25.42	257	257	.0507
30	14.89	34.250	30	14.89	34.250	25.44	255	255	.0764
50	14.85	34.210	50	14.85	34.210	25.42	257	258	.1278
75	14.76	34.180	75	14.76	34.180	25.41	257	259	.1926
100	14.43	34.320	100	14.43	34.320	25.59	240	243	.2554
125	11.35	34.470	125	11.35	34.470	26.32	171	174	.3076
150	10.61	34.450	150	10.61	34.450	26.44	160	163	.3498
200	9.70	34.410	200	9.70	34.410	26.56	148	152	.4287
250	8.20	34.330	250	8.20	34.330	26.74	131	135	.5008
300	5.27	34.290	300	5.27	34.290	27.19	97	100	.5599
400	2.60	34.150	400	2.60	34.150	27.26	81	83	.6519
500	1.77	34.140							

KOREA ,JI RI SAN , STATION 105-11 , 37-332. N, 131-146. E, DEC.14.1979, 15.30 KST, DEPTH 2375 , COLOR 3, TRANS. 32. ,

WAVE 1, SWELL 1, WIND SW 2, BARO 1021. , AIR TEMP. DRY 11.9, WET . , CLOUD. TYPE CU, AMT 6, WEATHER BC,

0	15.02	34.220	0	15.02	34.220	25.39	260	259	.0000
10	15.00	34.220	10	15.00	34.220	25.39	259	259	.0260
20	15.04	34.210	20	15.04	34.210	25.37	261	261	.0521
30	14.06	34.200	30	14.06	34.200	25.58	242	242	.0775

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	S-A	D-DY
50	14.05	34.220								50	14.05	34.220		25.59	240	241	.1257
75	14.02	34.210								75	14.02	34.210		25.59	240	242	.1862
100	12.82	34.220								100	12.82	34.220		25.84	216	218	.2438
125	12.62	34.210								125	12.62	34.210		25.88	213	216	.2983
150	11.90	34.220								150	11.90	34.220		26.02	199	203	.3507
200	8.08	34.360								200	8.08	34.360		26.76	127	131	.4342
250	4.30	34.220								250	4.30	34.220		27.16	92	94	.4905
300	1.10	34.140								300	1.10	34.140		27.37	71	72	.5321
400	.98	34.130								400	.98	34.130		27.37	71	72	.6042
500	.75	34.120															

OCEANOGRAPHIC DATA,LINE 104

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH.	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-Dy

2 월 (February)

KOREA ,JI RI SAN , STATION 104-04 , 37-034. N, 129-288. E, FEB.12.1979, 19.15 KST, DEPTH 110 , COLOR , TRANS.

WAVE 3, SWELL 1, WIND SW 3, BARO 1021. , AIR TEMP. DRY 10.2, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	11.52	34.490							0	11.52	34.490		26.30	173	172	.0000
10	12.72	34.490							10	12.72	34.490		26.07	194	194	.0184
20	12.72	34.520							20	12.72	34.520		26.10	192	192	.0378
30	12.79	34.510							30	12.79	34.510		26.07	194	195	.0572
50	12.84	34.530							50	12.84	34.530		26.08	194	195	.0963
75	10.51	34.430							75	10.51	34.430		26.44	160	161	.1409
100	8.02	34.450														

KOREA ,JI RI SAN , STATION 104-05 , 37-034. N, 129-336. E, FEB.12.1979, 18.30 KST, DEPTH 220 , COLOR , TRANS.

WAVE 3, SWELL 1, WIND SW 4, BARO 1021. , AIR TEMP. DRY 10.3, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	12.60	34.540							0	12.60	34.540		26.13	189	188	.0000
10	12.87	34.550							10	12.87	34.550		26.09	193	193	.0191
20	12.97	34.560							20	12.97	34.560		26.08	194	194	.0385
30	13.03	34.540							30	13.03	34.540		26.05	197	197	.0581
50	13.10	34.530							50	13.10	34.530		26.03	199	200	.0979
75	13.00	34.510							75	13.00	34.510		26.03	198	200	.1480
100	10.23	34.010							100	10.23	34.010		26.16	186	188	.1966
125	5.74	34.130							125	5.74	34.130		26.92	114	115	.2346
150	3.10	34.060							150	3.10	34.060		27.15	92	93	.2608
200	1.52	33.970														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA ,JI RI SAN , STATION 104-06 , 37-034. N, 129-476. E, FEB.12.1979, 17.00 KST, DEPTH 600 , COLOR 3, TRANS. 13. ,																	
WAVE 3, SWELL 1, WIND SW 3, BARO 1021. , AIR TEMP. DRY 10.6, WET . , CLOUD. TYPE CI, AMT 7, WEATHER BC,																	
0	12.41	34.520								0	12.41	34.520		26.16	187	186	.0000
10	12.22	34.510								10	12.22	34.510		26.19	184	184	.0181
20	12.20	34.520								20	12.20	34.520		26.20	183	183	.0369
30	12.00	34.520								30	12.00	34.520		26.24	179	179	.0551
50	11.95	34.110								50	11.95	34.110		25.93	208	209	.0940
75	11.79	34.470								75	11.79	34.470		26.24	179	180	.1429
100	10.20	34.360								100	10.20	34.360		26.44	160	162	.1857
125	10.00	34.340								125	10.00	34.340		26.46	158	160	.2261
150	5.80	34.510								150	5.80	34.510		27.21	86	88	.2573
200	3.30	34.060								200	3.30	34.060		27.13	94	95	.3033
250	1.80	34.010								250	1.80	34.010		27.22	86	86	.3490
300	1.41	34.010								300	1.41	34.010		27.24	83	84	.3918
400	1.13	33.970								400	1.13	33.970		27.23	85	85	.4765
500	1.08	33.980															
KOREA ,JI RI SAN , STATION 104-07 , 37-034. N, 130-000. E, FEB.12.1979, 15.40 KST, DEPTH 1050 , COLOR 3, TRANS. 14.																	
WAVE 3, SWELL 1, WIND NW 3, BARO 1020.5, AIR TEMP. DRY 10.5, WET . , CLOUD. TYPE CI, AMT 5, WEATHER BC,																	
0	12.12	34.330								0	12.12	34.330		26.07	195	195	.0000
10	12.20	34.330								10	12.20	34.330		26.05	197	197	.0196
20	12.25	34.340								20	12.25	34.340		26.05	197	197	.0393
30	12.50	34.260								30	12.50	34.260		25.94	207	208	.0596

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
75	12.60	34.490								75	12.60	34.490		26.10	192	194	.1490
100	12.47	34.480								100	12.47	34.480		26.11	191	193	.1974
125	12.30	34.510								125	12.30	34.510		26.17	185	188	.2451
150	12.15	34.540								150	12.15	34.540		26.22	180	184	.2917
200	12.10	34.470								200	12.10	34.470		26.18	185	189	.3851
250	7.14	34.180								250	7.14	34.180		26.77	128	131	.4655
300	4.80	34.070								300	4.80	34.070		26.98	108	111	.5263
400	2.85	34.030								400	2.85	34.030		27.15	93	95	.6295
500	1.90	34.000															

KOREA ,JI RI SAN , STATION 104-08 , 37-034. N, 130-187. E, FEB.12.1979, 13.45 KST, DEPTH 720 , COLOR 3, TRANS. 15.

WAVE 4, SWELL 2, WIND NW 5, BARO 1020. , AIR TEMP. DRY 10.8, WET . , CLOUD. TYPE CI, AMT 4, WEATHER BC,

0	12.13	34.310								0	12.13	34.310		26.05	197	197	.0000
10	12.20	34.300								10	12.20	34.300		26.03	199	199	.0198
20	12.22	34.290								20	12.22	34.290		26.02	200	200	.0398
30	12.30	34.300								30	12.30	34.300		26.01	201	201	.0599
50	12.27	34.310								50	12.27	34.310		26.02	199	200	.1002
75	12.25	34.290								75	12.25	34.290		26.01	200	202	.1506
100	12.30	34.290								100	12.30	34.290		26.00	201	204	.2014
125	12.42	34.330								125	12.42	34.330		26.01	201	203	.2524
150	12.35	34.300								150	12.35	34.300		26.00	202	205	.3035
200	12.30	34.300								200	12.30	34.300		26.01	201	205	.4063
250	12.30	34.310								250	12.30	34.310		26.02	200	206	.5093
300	12.16	34.290								300	12.16	34.290		26.03	199	206	.6123
400	8.60	34.200								400	8.60	34.200		26.58	147	154	.7925
500	5.71	34.090															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	Si	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA ,JI RI SAN , STATION 104-09 , 37-034. N, 130-376. E, FEB.12.1979, 11.50 KST, DEPTH 2340 , COLOR 3, TRANS. 14. ,																	
WAVE 4, SWELL 2, WIND NW 5, BARO 1021. , AIR TEMP. DRY 10.1, WET , CLOUD. TYPE CI, AMT 2, WEATHER B ,																	
0	12.20	34.300								0	12.20	34.300		26.03	199	199	.0000
10	12.25	34.320								10	12.25	34.320		26.03	198	198	.0199
20	12.30	34.330								20	12.30	34.330		26.03	198	199	.0398
30	12.28	34.320								30	12.28	34.320		26.03	199	199	.0597
50	12.28	34.340								50	12.28	34.340		26.04	197	198	.0996
75	12.30	34.340								75	12.30	34.340		26.04	198	199	.1494
100	12.30	34.340								100	12.30	34.340		26.04	198	200	.1994
125	12.30	34.330								125	12.30	34.330		26.03	198	201	.2497
150	12.30	34.320								150	12.30	34.320		26.02	199	203	.3002
200	12.20	34.290								200	12.20	34.290		26.02	200	204	.4021
250	11.46	34.300								250	11.46	34.300		26.17	186	191	.5011
300	9.30	34.340								300	9.30	34.340		26.57	147	152	.5875
400	5.30	34.310								400	5.30	34.310		27.12	96	100	.7140
500	2.12	34.300															
KOREA ,JI RI SAN , STATION 104-10 , 37-034. N, 130-564. E, FEB.12.1979, 09.50 KST, DEPTH 1800 , COLOR 3, TRANS. 15.																	
WAVE 4, SWELL 2, WIND NW 5, BARO 1022. , AIR TEMP. DRY 9.6, WET , CLOUD. TYPE , AMT , WEATHER B ,																	
0	11.61	34.290								0	11.61	34.290		26.15	189	189	.0000
10	11.90	34.290								10	11.90	34.290		26.08	194	194	.0192
20	12.12	34.330								20	12.12	34.330		26.07	195	195	.0387
30	12.12	34.300								30	12.12	34.300		26.04	197	198	.0584

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA T	D T	SVA	D-DY
75	12.14	34.280								75	12.14	34.280		26.02	199	201	.1485
100	12.31	34.360								100	12.31	34.360		26.05	196	199	.1986
125	12.20	34.340								125	12.20	34.340		26.06	196	199	.2485
150	11.34	34.400								150	11.34	34.400		26.27	176	179	.2957
200	10.60	34.410								200	10.60	34.410		26.41	163	167	.3824
250	8.36	34.310								250	8.36	34.310		26.70	135	139	.4592
300	5.53	34.170								300	5.53	34.170		26.98	109	112	.5222
400	1.26	34.090								400	1.26	34.090		27.32	76	77	.6171
500	1.22	34.040															

KOREA ,JI RI SAN , STATION 104-11 , 37-034. N, 131-153. E, FEB.12.1979, 07.50 KST, DEPTH 2325 , COLOR 3, TRANS. 14. ,

WAVE 4, SWELL 2, WIND NW 5, BARO 1012. AIR TEMP. DRY 12.0, WET , CLOUD. TYPE , AMT , WEATHER B ,

0	12.13	34.440								0	12.13	34.440		26.15	187	187	.0000
10	12.23	34.440								10	12.23	34.440		26.13	189	189	.0188
20	12.30	34.430								20	12.30	34.430		26.11	191	191	.0379
30	12.40	34.400								30	12.40	34.400		26.07	195	196	.0573
50	12.45	34.410								50	12.45	34.410		26.06	195	1 6	.0966
75	12.50	34.360								75	12.50	34.360		26.02	200	201	.1464
100	12.60	34.380								100	12.60	34.380		26.01	200	202	.1971
125	11.60	34.450								125	11.60	34.450		26.26	177	180	.2449
150	11.57	34.470								150	11.57	34.470		26.28	175	178	.2898
200	10.52	34.490								200	10.52	34.490		26.48	155	160	.3745
250	10.52	34.440								250	10.52	34.440		26.44	159	164	.4557
300	9.64	34.250								300	9.64	34.250		26.45	159	165	.5381
400	5.23	34.250								400	5.23	34.250		27.08	99	104	.6727
500	2.70	34.230															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

3 월 (March)

KOREA ,JI RI SAN , STATION 104-04 , 37-034. N, 129-288. E, MAR.19.1979, 18.10 KST, DEPTH 110 , COLOR , TRANS.

WAVE 4, SWELL 2, WIND S 6, BARO 1018.5, AIR TEMP. DRY 13.0, WET . , CLOUD. TYPE AS, AMT 1, WEATHER B ,

0	11.82	34.150						0	11.82	34.150		25.98	203	203	.0000
10	11.78	34.200						10	11.78	34.200		26.03	199	199	.0201
20	11.71	34.320						20	11.71	34.320		26.14	189	189	.0395
30	11.40	34.370						30	11.40	34.370		26.23	179	180	.0580
50	9.40	34.200						50	9.40	34.200		26.45	159	160	.0920
75	5.50	34.010						75	5.50	34.010		26.85	120	121	.1272
100	3.64	33.920													

KOREA ,JI RI SAN , STATION 104-05 , 37-034. N, 129-336. E, MAR.19.1979, 18.45 KST, DEPTH 220 , COLOR , TRANS.

WAVE 4, SWELL 2, WIND S 6, BARO 1018.5, AIR TEMP. DRY 11.0, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	12.75	34.380						0	12.75	34.380		25.98	203	203	.0000
10	12.95	34.380						10	12.95	34.380		25.94	207	207	.0205
20	12.95	34.380						20	12.95	34.380		25.94	207	207	.0413
30	12.20	34.190						30	12.20	34.190		25.94	207	207	.0621
50	11.61	34.260						50	11.61	34.260		26.11	191	192	.1021
75	10.80	34.200						75	10.80	34.200		26.21	182	183	.1491
100	9.30	34.110						100	9.30	34.110		26.39	164	166	.1928
125	7.48	34.000						125	7.48	34.000		26.59	146	147	.2320
150	5.50	33.990						150	5.50	33.990		26.84	122	123	.2660
200	2.47	33.850													

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,JI RI SAN , STATION 104-06 , 37-034. N, 129-476. E, MAR.19.1979, 20.30 KST, DEPTH 600 , COLOR , TRANS. .

WAVE . SWELL 2, WIND S 6, BARO 1020. , AIR TEMP. DRY 11.3, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	11.31	34.270								0	11.31	34.270		26.17	185	185	.0000
10	11.55	34.270								10	11.55	34.270		26.13	189	189	.0188
20	11.51	34.450								20	11.51	34.450		26.27	175	176	.0371
30	11.56	34.260								30	11.56	34.260		26.12	190	191	.0554
50	11.51	34.250								50	11.51	34.250		26.12	190	191	.0917
75	11.42	34.270								75	11.42	34.270		26.15	187	189	.1412
100	11.05	34.220								100	11.05	34.220		26.18	184	186	.1882
125	10.92	34.140								125	10.92	34.140		26.14	188	190	.2354
150	8.40	34.030								150	8.40	34.030		26.47	156	159	.2792
200	4.86	33.970								200	4.86	33.970		26.90	116	118	.3487
250	2.42	33.910								250	2.42	33.910		27.09	98	99	.4032
300	1.70	33.840															

KOREA ,JI RI SAN , STATION 104-07 , 37-034. N, 130-000. E, MAR.19.1979, 21.55 KST, DEPTH 1050 , COLOR , TRANS.

WAVE 4, SWELL 2, WIND S 6, BARO 1021. , AIR TEMP. DRY 12.3, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	12.30	34.370								0	12.30	34.370		26.06	196	195	.0000
10	12.51	******								10	12.51	******		*****	***	***	******
20	12.47	34.400								20	12.47	34.400		26.05	196	197	******
30	12.42	34.380								30	12.42	34.380		26.05	197	197	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	Si	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
50	11.15	34.290								50	11.15	34.290		26.22	181	182	******
75	11.00	34.210								75	11.00	34.210		26.18	184	186	******
100	10.49	34.120								100	10.49	34.120		26.20	182	184	******
125	10.15	34.100								125	10.15	34.100		26.24	178	180	******
150	9.35	34.090								150	9.35	34.090		26.37	166	169	******
200	8.18	34.000								200	8.18	34.000		26.48	156	159	******
250	5.93	33.940								250	5.93	33.940		26.75	131	133	******
300	1.54	33.140															

KOREA ,JI RI SAN , STATION 104-08 , 37-034. N, 130-187. E, MAR.19.1979, 23.55 KST, DEPTH 220 , COLOR , TRANS.

WAVE 4, SWELL 2, WIND W 6, BARO 1020. , AIR TEMP. DRY 12.5, WET . , CLOUD. TYPE . AMT , WEATHER B ,

0	12.00	34.020								0	12.00	34.020		25.85	216	216	.0000
10	12.36	34.160								10	12.36	34.160		25.89	212	212	.0214
20	12.43	34.110								20	12.43	34.110		25.84	217	217	.0429
30	12.78	34.130								30	12.78	34.130		25.78	222	223	.0650
50	12.01	33.980								50	12.01	33.980		25.82	219	220	.1093
75	11.72	34.260								75	11.72	34.260		26.09	193	195	.1612
100	11.10	34.250								100	11.10	34.250		26.19	183	185	.2088
125	10.09	34.130								125	10.09	34.130		26.28	175	177	.2542
150	9.50	34.100								150	9.50	34.100		26.35	168	170	.2978
200	7.23	34.030								200	7.23	34.030		26.64	140	145	.3744
250	4.45	33.990								250	4.45	33.990		26.96	110	113	.4404
300	2.01	33.990															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,JI RI SAN , STATION 104-09 , 37-034. N, 130-376. E, MAR.20.1979, 01.45 KST, DEPTH 2340 , COLOR , TRANS.

WAVE 3, SWELL 1, WIND W 5, BARO 1020. , AIR TEMP. DRY 11.9, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	9.91	34.270							0	9.91	34.270	26.42	162	161	.0000
10	10.02	34.240							10	10.02	34.240	26.38	166	166	.0164
20	10.34	34.170							20	10.34	34.170	26.27	176	176	.0335
30	10.72	34.200							30	10.72	34.200	26.22	180	181	.0514
50	10.21	34.070							50	10.21	34.070	26.21	181	182	.0878
75	10.82	34.340							75	10.82	34.340	26.31	172	173	.1323
100	10.53	34.220							100	10.53	34.220	26.27	176	177	.1762
125	10.42	34.270							125	10.42	34.270	26.33	170	172	.2201
150	9.70	34.140							150	9.70	34.140	26.35	168	171	.2631
200	8.91	34.120							200	8.91	34.120	26.46	157	161	.3462
250	5.82	34.060							250	5.82	34.060	26.85	120	123	.4174
300	2.32	34.090													

KOREA ,JI RI SAN , STATION 104-10 , 37-034. N, 130-564. E, MAR.20.1979, 03.45 KST, DEPTH 1800 , COLOR , TRANS.

WAVE 3, SWELL 1, WIND W 3, BARO 1020. , AIR TEMP. DRY 11.4, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	10.92	34.150							0	10.92	34.150	26.15	187	187	.0000
10	10.98	34.170							10	10.98	34.170	26.15	187	187	.0187
20	11.02	34.150							20	11.02	34.150	26.13	189	189	.0376
30	11.08	******							30	11.08	******	*****	***	***	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
50	11.12	34.130								50	11.12	34.130		26.10	192	193	******
75	11.16	34.150								75	11.16	34.150		26.10	191	193	******
100	11.02	34.350								100	11.02	34.350		26.29	174	176	******
125	10.94	34.200								125	10.94	34.200		26.18	184	186	******
150	10.25	34.160								150	10.25	34.160		26.27	175	178	******
200	9.65	34.110								200	9.65	34.110		26.34	169	173	******
250	6.72	34.110								250	6.72	34.110		26.78	128	131	******
300	3.12	34.040															

4 월 (April)

KOREA ,JI RI SAN , STATION 104-04 , 37-034. N, 129-288. E, APR.18.1979, 13.30 KST, DEPTH 110 , COLOR 3, TRANS. 5.

WAVE 1, SWELL 1, WIND E 3, BARO 1021. , AIR TEMP. DRY 17.0, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	13.74	34.250				0	13.74	34.250		25.68	232	231	.0000
10	12.98	34.290				10	12.98	34.290		25.87	214	214	.0223
20	12.48	34.250				20	12.48	34.250		25.93	208	208	.0435
30	11.02	34.190				30	11.02	34.190		26.16	186	186	.0632
50	6.87	34.050				50	6.87	34.050		26.71	134	134	.0954
75	3.78	33.930				75	3.78	33.930		26.98	108	109	.1256
105	2.45	33.870											

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O.	SIGMA T	D T	SVA	D-DY

KOREA ,JI RI SAN , STATION 104-05 , 37-034. N, 129-336. E, APR.18.1979, 14.05 KST, DEPTH 220 , COLOR 3, TRANS. 7. ,

WAVE 1, SWELL 1, WIND E 2, BARO 1020. , AIR TEMP. DRY 16.7, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	13.80	34.300		0	13.80	34.300		25.71	229	229	.0000
10	13.35	34.290		10	13.35	34.290		25.79	221	221	.0226
20	13.21	34.280		20	13.21	34.280		25.81	219	219	.0446
30	12.47	34.230		30	12.47	34.230		25.92	209	209	.0661
50	12.30	34.210		50	12.30	34.210		25.94	207	208	.1080
75	9.52	34.130		75	9.52	34.130		26.37	166	167	.1550
100	7.10	34.000		100	7.10	34.000		26.64	141	142	.1938
125	4.25	33.910		125	4.25	33.910		26.92	114	115	.2260
150	2.35	33.840		150	2.35	33.840		27.04	103	103	.2535
200	1.83	33.830		200	1.83	33.830		27.07	100	100	.3046
215	1.18	33.830									

KOREA ,JI RI SAN , STATION 104-06 , 37-034. N, 129-476. E, APR.18.1979, 15.35 KST, DEPTH 600 , COLOR 3, TRANS. 11. ,

WAVE 1, SWELL 1, WIND SE 3, BARO 1020. , AIR TEMP. DRY 16.8, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	13.99	34.320		0	13.99	34.320		25.68	232	231	.0000
10	13.77	34.290		10	13.77	34.290		25.71	229	229	.0231
20	13.65	34.310		20	13.65	34.310		25.75	226	226	.0459
30	13.40	34.330		30	13.40	34.330		25.81	219	220	.0682
50	13.26	34.350		50	13.26	34.350		25.86	215	216	.1119

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
75	12.92	34.310								75	12.92	34.310		25.89	211	213	.1656
100	10.78	34.180								100	10.78	34.180		26.20	183	185	.2155
125	10.72	34.180								125	10.72	34.180		26.21	182	184	.2617
150	8.03	34.040								150	8.03	34.040		26.54	150	153	.3039
200	4.02	33.950								200	4.02	33.950		26.97	109	111	.3699
250	2.67	33.860								250	2.67	33.860		27.03	104	105	.4241
300	1.55	33.850								300	1.55	33.850		27.11	96	97	.4747
400	1.18	33.840								400	1.18	33.840		27.12	95	95	.5711
500	.77	33.830															

KOREA ,J1 R1 SAN , STATION 104-07 , 37-034. N, 130-000. E, APR.18.1979, 16.55 KST, DEPTH 1050 , COLOR 3, TRANS. 9. ,

WAVE 1, SWELL 1, WIND SE 3, BARO 1020. , AIR TEMP. DRY 15.7, WET . , CLOUD. TYPE , AMT , WEATHER 1 ,

0	13.40	34.290								0	13.40	34.290		25.78	222	222	.0000
10	12.55	34.360								10	12.55	34.360		26.01	201	201	.0212
20	12.32	34.290								20	12.32	34.290		26.00	202	202	.0414
30	12.18	34.290								30	12.18	34.290		26.02	199	200	.0615
50	12.05	34.290								50	12.05	34.290		26.05	197	198	.1013
75	12.05	34.200								75	12.05	34.200		25.98	203	205	.1518
100	11.38	******								100	11.38	******		*****	***	***	******
125	11.06	34.140								125	11.06	34.140		26.12	190	193	******
150	10.19	34.130								150	10.19	34.130		26.26	177	179	******
200	8.54	34.050								200	8.54	34.050		26.47	157	160	******
250	6.40	33.900								250	6.40	33.900		26.65	139	142	******
300	3.94	33.840								300	3.94	33.840		26.89	117	119	******
400	1.82	33.830								400	1.82	33.830		27.07	100	101	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA ,JI RI SAN , STATION 104-08 , 37-034. N, 130-187. E, APR.18.1979, 18.50 KST, DEPTH 720 , COLOR 3, TRANS. 10. ,																	
WAVE 1, SWELL 1, WIND S 2, BARO 1020. , AIR TEMP. DRY 13.4, WET . , CLOUD. TYPE , AMT , WEATHER B ,																	
0	12.18	34.260								0	12.18	34.260		26.00	201	201	.0000
10	12.11	34.280								10	12.11	34.280		26.03	199	199	.0200
20	12.00	34.280								20	12.00	34.280		26.05	197	197	.0399
30	12.04	34.290								30	12.04	34.290		26.05	197	197	.0596
50	12.04	34.280								50	12.04	34.280		26.04	197	198	.0992
75	12.02	34.280								75	12.02	34.280		26.05	197	199	.1490
100	10.90	34.180								100	10.90	34.180		26.18	185	187	.1972
125	10.58	34.170								125	10.58	34.170		26.22	180	182	.2435
150	10.15	34.130								150	10.15	34.130		26.27	176	179	.2888
200	9.95	34.130								200	9.95	34.130		26.30	173	177	.3779
250	9.20	34.090								250	9.20	34.090		26.39	164	168	.4643
300	6.58	33.960								300	6.58	33.960		26.68	137	141	.5419
400	3.98	33.890								400	3.98	33.890		26.93	113	116	.6710
500	1.21	33.840															
KOREA ,JI RI SAN , STATION 104-09 , 37-034. N, 130-376. E, APR.18.1979, 20.40 KST, DEPTH 2340 , COLOR , TRANS. . ,																	
WAVE 1, SWELL 1, WIND SE 2, BARO 1020. , AIR TEMP. DRY 11.7, WET . , CLOUD. TYPE , AMT , WEATHER B ,																	
0	11.20	34.260								0	11.20	34.260		26.18	184	184	.0000
10	11.60	34.250								10	11.60	34.250		26.10	192	192	.0188
20	11.62	34.240								20	11.62	34.240		26.09	193	193	.0381
30	11.60	34.240								30	11.60	34.240		26.09	192	193	.0574
50	11.60	34.240								50	11.60	34.240		26.09	192	193	.0962

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA T	D T	SVA	D-DY
75	11.59	34.240								75	11.59	34.240		26.10	192	194	.1447
100	10.69	34.180								100	10.69	34.180		26.21	181	183	.1919
125	10.42	34.230								125	10.42	34.230		26.30	173	175	.2368
150	9.27	34.220								150	9.27	34.220		26.48	155	158	.2786
200	7.81	34.150								200	7.81	34.150		26.66	139	142	.3539
250	6.29	34.140								250	6.29	34.140		26.86	120	123	.4205
300	4.10	34.050								300	4.10	34.050		27.04	102	105	.4777
400	2.19	33.910								400	2.19	33.910		27.11	96	98	.5794
500	1.20	33.800															

KOREA ,JI RI SAN , STATION 104-10 , 37-034. N, 130-564. E, APR.18.1979, 22.35 KST, DEPTH 1800 , COLOR , TRANS.

WAVE 1, SWELL 1, WIND SE 2, BARO 1020. , AIR TEMP. DRY 11.1, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	12.28	34.260								0	12.28	34.260		25.98	203	203	.0000
10	11.98	34.250								10	11.98	34.250		26.03	199	198	.0201
20	11.74	34.250								20	11.74	34.250		26.08	194	194	.0398
30	11.50	34.220								30	11.50	34.220		26.10	192	193	.0592
50	10.64	34.180								50	10.64	34.180		26.22	180	181	.0967
75	10.20	34.320								75	10.20	34.320		26.41	163	164	.1400
100	9.10	34.110								100	9.10	34.110		26.43	161	163	.1809
125	8.45	34.060								125	8.45	34.060		26.49	155	157	.2209
150	5.15	33.910								150	5.15	33.910		26.82	124	125	.2563
200	3.22	33.820								200	3.22	33.820		26.95	112	113	.3160
250	2.50	33.800								250	2.50	33.800		26.99	107	108	.3714
300	1.44	33.780								300	1.44	33.780		27.06	101	101	.4240

OBSERVED									INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,JI RI SAN , STATION 104-11 , 37-034. N, 131-153. E, APR.19.1979, 00.25 KST, DEPTH 2325 , COLOR , TRANS.

WAVE 1, SWELL 1, WIND SE 4, BARO 1020. , AIR TEMP. DRY 10.6, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	11.44	34.240						0	11.44	34.240	26.12	190	189	.0000
10	10.20	34.140						10	10.20	34.140	26.27	176	176	.0183
20	9.84	34.130						20	9.84	34.130	26.32	171	171	.0357
30	9.64	34.100						30	9.64	34.100	26.33	170	170	.0528
50	9.60	34.100						50	9.60	34.100	26.34	169	170	.0870
75	8.75	34.060						75	8.75	34.060	26.44	159	160	.1284
100	8.15	34.030						100	8.15	34.030	26.51	153	154	.1679
125	7.78	33.990						125	7.78	33.990	26.53	151	152	.2063
150	6.09	34.130						150	6.09	34.130	26.88	118	120	.2405
200	4.58	34.170						200	4.58	34.170	27.09	98	100	.2957
250	2.04	33.930						250	2.04	33.930	27.13	94	94	.3446
300	1.38	33.790						300	1.38	33.790	27.07	100	100	.3934
400	.94	33.790						400	.94	33.790	27.10	97	97	.4925
500	.80	33.820												

5 월 (May)

KOREA ,JI RI SAN , STATION 104-04 , 37-034. N, 129-288. E, MAY.18.1979, 04830 KST, DEPTH 110 , COLOR , TRANS. . ,

WAVE 1, SWELL 1, WIND SW 1, BARO 1008.5, AIR TEMP. DRY 11.4, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	13.87	34.050						0	13.87	34.050	25.50	249	249	.0000
10	13.32	34.170						10	13.32	34.170	25.71	229	229	.0239
20	9.84	34.180						20	9.84	34.180	26.36	167	167	.0438
30	6.45	34.150						30	6.45	34.150	26.84	121	121	.0583
50	5.09	34.120						50	5.09	34.120	26.99	107	108	.0813
75	3.01	34.040						75	3.01	34.040	27.14	93	93	.1066
100	1.89	34.000												

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	Si	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,JI RI SAN , STATION 104-05 , 37-034. N, 129-336. E, MAY.18.1979, 05.05 KST, DEPTH 220 , COLOR 3, TRANS. 14. ,

WAVE 1, SWELL 1, WIND SW 1, BARO 1008. , AIR TEMP. DRY 13.6, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	14.80	34.220	0	14.80	34.220	25.43	255	255	.0000
10	14.75	34.250	10	14.75	34.250	25.47	252	252	.0254
20	14.72	34.270	20	14.72	34.270	25.49	250	250	.0506
30	13.78	34.330	30	13.78	34.330	25.73	227	227	.0745
50	12.40	34.300	50	12.40	34.300	25.99	203	203	.1176
75	7.05	34.170	75	7.05	34.170	26.78	127	128	.1592
100	3.18	34.060	100	3.18	34.060	27.14	93	93	.1874
125	2.31	34.020	125	2.31	34.020	27.18	89	89	.2100
150	1.91	33.990	150	1.91	33.990	27.19	88	88	.2323
200	1.32	33.990	200	1.32	33.990	27.23	84	84	.2758
215	.72	33.980							

KOREA ,JI RI SAN , STATION 104-06 , 37-034. N, 129-476. E, MAY.18.1979, 06.45 KST, DEPTH 600 , COLOR 2, TRANS. 15. ,

WAVE 1, SWELL 1, WIND W 1, BARO 1008. , AIR TEMP. DRY 16.5, WET . , CLOUD. TYPE CS, AMT 3, WEATHER BC,

0	14.81	34.420	0	14.81	34.420	25.59	241	240	.0000
10	14.81	34.390	10	14.81	34.390	25.56	243	243	.0242
20	14.80	34.380	20	14.80	34.380	25.56	244	244	.0486
30	14.78	34.400	30	14.78	34.400	25.58	242	242	.0730

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D DY
50	13.29	34.330								50	13.29	34.330		25.83	217.	218	.1191
75	9.82	34.290								75	9.82	34.290		26.45	159	160	.1665
100	9.54	34.270								100	9.54	34.270		26.48	156	158	.2063
125	8.81	34.240								125	8.81	34.240		26.57	147	149	.2447
150	7.31	34.150								150	7.31	34.150		26.73	132	134	.2803
200	3.25	34.020								200	3.25	34.020		27.10	97	98	.3386
250	1.34	33.990								250	1.34	33.990		27.23	84	85	.3844
300	.75	33.980															

KOREA ,JI RI SAN , STATION 104-07 , 37-034. N, 130-000. E, MAY.18.1979, 08.00 KST, DEPTH 1050 , COLOR 2, TRANS. 17. ,

WAVE 1, SWELL 1, WIND W 1, BARO 1008. , AIR TEMP. DRY 16.5, WET . , CLOUD. TYPE CS, AMT 3, WEATHER BC,

0	14.02	34.360								0	14.02	34.360		25.71	229	229	.0000
10	13.99	34.360								10	13.99	34.360		25.71	229	229	.0229
20	13.81	34.380								20	13.81	34.380		25.77	224	224	.0456
30	13.79	34.360								30	13.79	34.360		25.76	225	225	.0681
50	13.69	34.390								50	13.69	34.390		25.80	220	221	.1128
75	11.51	34.380								75	11.51	34.380		26.22	181	182	.1634
100	10.71	34.340								100	10.71	34.340		26.33	170	172	.2077
125	9.86	34.360								125	9.86	34.360		26.50	154	157	.2489
150	8.91	34.260								150	8.91	34.260		26.57	147	149	.2872
200	4.55	34.110								200	4.55	34.110		27.04	102	104	.3509
250	1.34	34.370								250	1.34	34.370		27.54	56	56	.3911
300	.75	33.990															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D T	SVA	D DY
KOREA ,JI RI SAN , STATION 104-08 , 37-034. N, 130-187. E, MAY.18.1979, 10.05 KST, DEPTH 720 , COLOR 2, TRANS. 16. ,																	
WAVE 1, SWELL 1, WIND W 1, BARO 1008. , AIR TEMP. DRY 14.5, WET . , CLOUD. TYPE CS, AMT 3, WEATHER BC,																	
0	14.52	34.410								0	14.52	34.410		25.64	236	235	.0000
10	14.44	34.430								10	14.44	34.430		25.67	232	232	.0234
20	14.42	34.430								20	14.42	34.430		25.68	232	232	.0467
30	14.40	34.440								30	14.40	34.440		25.69	231	231	.0700
50	14.15	34.460								50	14.15	34.460		25.76	224	225	.1158
75	12.16	34.450								75	12.16	34.450		26.15	187	189	.1876
100	12.10	34.420								100	12.10	34.420		26.14	188	190	.2151
125	11.02	34.350								125	11.02	34.350		26.29	174	177	.2611
150	10.52	34.320								150	10.52	34.320		26.35	168	171	.3047
200	8.39	34.210								200	8.39	34.210		26.62	143	146	.3845
250	4.76	34.070								250	4.76	34.070		26.99	108	110	.4485
300	1.34	33.970															
KOREA ,JI RI SAN , STATION 104-09 , 37-034. N, 130-376. E, MAY.18.1979, 13.00 KST, DEPTH 2340 , COLOR 2, TRANS. 17. ,																	
WAVE 1, SWELL 1, WIND W 1, BARO 1009.5, AIR TEMP. DRY 16.8, WET . , CLOUD. TYPE CC, AMT 3, WEATHER BC,																	
0	14.89	34.430								0	14.89	34.430		25.58	242	241	.0000
10	14.58	34.450								10	14.58	34.450		25.66	234	234	.0238
20	14.27	34.410								20	14.27	34.410		25.69	231	231	.0471
30	13.63	34.490								30	13.63	34.490		25.89	212	212	.0693
50	12.80	34.450								50	12.80	34.450		26.03	199	200	.1106

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
75	12.47	34.420								75	12.47	34.420		26.07	195	197	.1603
100	11.58	34.380								100	11.58	34.380		26.21	182	184	.2080
125	11.21	34.360								125	11.21	34.360		26.26	177	179	.2535
150	10.20	34.310								150	10.20	34.310		26.40	163	166	.2968
200	9.71	34.290								200	9.71	34.290		26.47	157	161	.3789
250	6.40	34.100								250	6.40	34.100		26.81	124	127	.4512
300	2.45	33.980															

KOREA ,JI RI SAN , STATION 104-10 , 37-034. N, 130-564. E, MAY.18.1979, 14.05 KST, DEPTH 1800 , COLOR , TRANS. . ,

WAVE 1, SWELL 1, WIND W 1, BARO 1009. , AIR TEMP. DRY 18.0, WET . , CLOUD. TYPE CC, AMT 2, WEATHER B ,

0	15.11	34.440								0	15.11	34.440		25.54	246	245	.0000
10	14.63	34.450								10	14.63	34.450		25.65	235	235	.0241
20	14.53	34.450								20	14.53	34.450		25.67	233	233	.0475
30	14.32	34.430								30	14.32	34.430		25.70	230	231	.0707
50	12.14	34.410								50	12.14	34.410		26.12	190	191	.1130
75	11.98	34.400								75	11.98	34.400		26.15	187	189	.1605
100	11.27	34.390								100	11.27	34.390		26.27	176	178	.2065
125	10.40	34.340								125	10.40	34.340		26.39	165	167	.2497
150	9.21	34.270								150	9.21	34.270		26.53	151	153	.2896
200	6.06	34.190								200	6.06	34.190		26.93	113	116	.3573
250	3.83	34.020								250	3.83	34.020		27.05	102	104	.4[illegible]
300	1.48	33.960															

OBSERVED										INTERPOLATED				CALCULATEL			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,JI PI SAN , STATION 104-11 , 37-034. N, 131-153. E, MAY.18.1979, 16.00 KST, DEPTH 2325 , COLOR , TRANS.

WAVE 1, SWELL 1, WIND W 2, BARO 1009.5, AIR TEMP. DRY 18.9, WET . , CLOUD. TYPE CC, AMT 2, WEATHER B ,

0	14.60	34.020								0	14.60	34.020		25.32	266	265	.0000
10	14.25	34.430								10	14.25	34.430		25.71	229	229	.0248
20	14.01	34.430								20	14.01	34.430		25.76	224.	224	.0474
30	13.10	34.370								30	13.10	34.370		25.90	210	211	.0692
50	9.70	34.220								50	9.70	34.220		26.41	162	163	.1067
75	9.74	34.250								75	9.74	34.250		26.43	161	162	.1474
100	8.70	34.200								100	8.70	34.200		26.56	148	150	.1865
125	7.64	34.140								125	7.64	34.140		26.67	138	139	.2227
150	6.14	34.080								150	6.14	34.080		26.83	123	124	.2558
200	4.65	34.040								200	4.65	34.040		26.98	109	110	.3147
250	2.01	33.980								250	2.01	33.980		27.18	90	90	.3652
300	1.13	33.980															

6 월 (June)

KOREA ,JI RI SAN , STATION 104-04 , 37-034. N, 129-288. E, JUN.18.1979, 04.30 KST, DEPTH 110 , COLOR , TRANS. .

WAVE 1, SWELL 1, WIND S 3, BARO 1013. , AIR TEMP. DRY 19.7, WET . , CLOUD. TYPE , AMT , WEATHER R ,

0	18.12	33.930								0	18.12	33.930		24.44	349	349	.0000
10	14.60	34.150								10	14.60	34.150		25.42	256	256	.0303
20	15.30	34.290								20	15.30	34.290		25.38	261	261	.0562
30	13.74	34.290								30	13.74	34.290		25.71	229	229	.0808
50	10.05	34.270								50	10.05	34.270		26.39	164	165	.1203

OBSERVED									INTERPOLATED				CALCULATED			
[illegible]	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,JI RI SAN , STATION 104-05 , 37-034. N, 129-336. E, JUN.18.1979, 03.30 KST, DEPTH 220 , COLOR , TRANS.																	
WAVE 2, SWELL 2, WIND SW 3, BARO 1012.5, AIR TEMP. DRY 19.4, WET . , CLOUD. TYPE , AMT , WEATHER ,																	
0	16.71	33.990								0	16.71	33.990		24.83	313	313	.0000
10	16.32	34.060								10	16.32	34.060		24.97	299	299	.0306
20	14.88	34.150								20	14.88	34.150		25.36	262	262	.0588
30	14.09	34.260								30	14.09	34.260		25.62	238	238	.0838
50	13.90	34.320								50	13.90	34.320		25.70	230	231	.1309
75	10.62	34.270								75	10.62	34.270		26.29	173	175	.1817
100	9.10	34.260								100	9.10	34.260		26.54	150	151	.2226
125	7.75	34.170								125	7.75	34.170		26.68	13.	139	.2589
150	3.44	34.020								150	3.44	34.020		27.08	98	99	.2888
200	1.98	33.930								200	1.98	33.980		27.18	90	90	.3363
215	.89	33.910															
KOREA ,JI RI SAN , STATION 104-06 , 37-034. N, 129-476. E, JUN.18.1979, 01.10 KST, DEPTH 600 , COLOR , TRANS.																	
WAVE 3, SWELL 3, WIND SW 4, BARO 1013. , AIR TEMP. DRY 20.3, WET . , CLOUD. TYPE , AMT , WEATHER																	
0	17.49	33.930								0	17.49	33.930		24.60	335	335	.0000
10	17.39	33.920								10	17.39	33.920		24.61	333	333	.0334
20	15.99	34.080								20	15.99	34.080		25.06	291	291	.0647
30	14.84	34.260								30	14.84	34.260		25.46	253	254	.0920
50	14.32	34.380								50	14.32	34.380		25.66	234	235	.1409

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
75	13.21	34.450								75	13.21	34.450		25.94	207	208	.1964
100	10.64	34.330								100	10.44	34.330		26.37	166	168	.2436
125	9.88	34.310								125	9.88	34.310		26.45	158	161	.2847
150	8.74	34.240								150	8.74	34.240		26.58	146	148	.3235
200	5.33	34.040								200	5.33	34.040		26.90	116	118	.3903
250	2.35	34.090								250	2.35	34.090		27.24	84	85	.4413
300	.88	33.940								300	.88	33.940		27.22	85	85	.4841
400	.71	34.000								400	.71	34.000		27.28	80	80	.5670
500	.61	33.980															

KOREA ,JI RI SAN , STATION 104-07 , 37-034. N, 130-000. E, JUN.18.1979, 00.30 KST, DEPTH 1050 , COLOR , TRANS. , ,

WAVE 3, SWELL 3, WIND SW 4, BARO 1013.5, AIR TEMP. DRY 21.2, WET , CLOUD. TYPE , AMT , WEATHER ,

0	19.09	33.980								0	19.09	33.980		24.24	369	369	.0000
10	19.05	34.010								10	19.05	34.010		24.27	366	366	.0368
20	16.41	34.310								20	16.41	34.310		25.14	283	283	.0693
30	14.95	34.340								30	14.95	34.340		25.49	250	250	.0960
50	14.34	34.360								50	14.34	34.360		25.64	236	237	.1448
75	12.48	34.380								75	12.48	34.380		26.03	198	200	.1994
100	11.75	34.430								100	11.75	34.430		26.21	181	183	.2474
125	11.55	34.400								125	11.55	34.400		26.23	180	182	.2932
150	10.99	34.380								150	10.99	34.380		26.31	172	175	.3380
200	8.10	34.270								200	8.10	34.270		26.71	134	137	.4162
250	5.10	33.970								250	5.10	33.970		26.87	119	121	.4812
300	1.98	34.020								300	1.98	34.020		27.21	87	87	.5335
400	.89	34.030															

OBSERVED									INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,JI RI SAN , STATION 104-08 , 37-034. N, 130-187. E, JUN.17.1979, 22.30 KST, DEPTH 720 , COLOR , TRANS. . ,

WAVE 3, SWELL 3, WIND SW 4, BARO 1014. , AIR TEMP. DRY 20.8, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	19.00	34.330						0	19.00	34.330	24.53	341	341	.0000
10	18.70	34.320						10	18.70	34.320	24.60	335	335	.0338
20	16.20	34.360						20	16.20	34.360	25.23	275	275	.0644
30	13.20	34.380						30	13.20	34.380	25.89	212	212	.0888
50	12.05	34.380						50	12.05	34.380	26.12	190	191	.1292
75	11.70	34.420						75	11.70	34.420	26.21	181	182	.1760
100	11.20	34.400						100	11.20	34.400	26.29	174	176	.2209
125	10.93	34.380						125	10.93	34.380	26.33	171	173	.2646
150	10.50	34.270						150	10.50	34.270	26.32	171	174	.3082
200	9.30	34.050						200	9.30	34.050	26.35	168	172	.3950
250	6.20	34.020						250	6.20	34.020	26.77	128	131	.4709
300	3.32	34.030						300	3.32	34.030	27.10	97	98	.5285
400	1.01	34.020						400	1.01	34.020	27.28	80	80	.6183
500	.98	34.030												

KOREA ,JI RI SAN , STATION 104-09 , 37-034. N, 130-376. E, JUN.17.1979, 20.30 KST, DEPTH 2340 , COLOR , TRANS. .

WAVE 3, SWELL 3, WIND SW 5, BARO 1014. , AIR TEMP. DRY 20.5, WET . , CLOUD. TYPE , AMT , WEATHER BC,

0	18.95	34.300						0	18.95	34.300	24.52	342	342	.0000
10	18.66	34.330						10	18.66	34.330	24.61	333	333	.0338
20	16.00	34.380						20	16.00	34.380	25.29	269	269	.0640
30	12.46	34.400						30	12.46	34.400	26.05	196	197	.0873
50	11.60	34.390						50	11.60	34.390	26.21	181	182	.1253

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
75	11.35	34.360								75	11.35	34.360		26.23	179	181	.1708
100	11.30	34.360								100	11.30	34.360		26.24	178	180	.2161
125	10.70	34.290								125	10.70	34.290		26.30	173	176	.2607
150	10.35	34.350								150	10.35	34.350		26.40	163	166	.3035
200	10.05	34.350								200	10.05	34.350		26.46	158	162	.3857
250	7.28	34.340								250	7.28	34.340		26.88	118	121	.4568
300	3.73	34.330								300	3.73	34.330		27.30	78	80	.5074
400	1.05	34.200								400	1.05	34.200		27.42	67	67	.5813
500	.92	34.060															

KOREA ,JI RI SAN , STATION 104-10 , 37-034. N, 130-564. E, JUN.17.1979, 18.35 KST, DEPTH 1800 , COLOR 3, TRANS. 14. ,
WAVE 2, SWELL 2, WIND S 4, BARO 1014. , AIR TEMP. DRY 21.2, WET . , CLOUD. TYPE AC, AMT 7, WEATHER BC,

0	19.22	34.200								0	19.22	34.200		24.37	356	356	.0000
10	19.10	34.230								10	19.10	34.230		24.43	351	351	.0354
20	15.95	34.410								20	15.95	34.410		25.32	266	266	.0663
30	14.40	34.450								30	14.40	34.450		25.70	230	231	.0912
50	12.60	34.440								50	12.60	34.440		26.06	196	197	.1340
75	12.00	34.430								75	12.00	34.430		26.17	186	187	.1821
100	11.50	34.380								100	11.50	34.380		26.22	180	182	.2285
125	10.50	34.400								125	10.50	34.400		26.42	162	164	.2719
150	9.30	34.380								150	9.30	34.380		26.60	144	147	.3109
200	7.10	34.330								200	7.10	34.330		26.90	116	119	.3775
250	3.05	34.240								250	3.05	34.240		27.30	78	80	.4274
300	1.40	34.120								300	1.40	34.120		27.33	75	75	.4664

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA ,JI RI SAN , STATION 104-11 , 37-034. N, 131-153. E, JUN.17.1979, 16.40 KST, DEPTH 2325 , COLOR 4, TRANS. 15. ,																	
WAVE 2, SWELL 2, WIND SW 3, BARO 1014.5, AIR TEMP. DRY 22.2, WET . , CLOUD. TYPE , AMT , WEATHER B ,																	
0	19.80	34.330								0	19.80	34.330		24.32	361	361	.0000
10	19.32	34.340								10	19.32	34.340		24.46	348	348	.0355
20	15.85	34.480								20	15.85	34.480		25.40	258	259	.0659
30	15.00	34.500								30	15.00	34.500		25.61	239	239	.0909
50	14.21	34.490								50	14.21	34.490		25.77	223	224	.1373
75	12.32	34.470								75	12.32	34.470		26.14	189	190	.1893
100	11.74	34.350								100	11.74	34.350		26.15	187	189	.2368
125	10.20	34.310								125	10.20	34.310		26.40	163	166	.2812
150	9.42	34.290								150	9.42	34.290		26.51	153	155	.3215
200	6.82	34.160								200	6.82	34.160		26.80	125	128	.3925
250	3.45	34.080								250	3.45	34.080		27.13	94	96	.4486
300	1.34	34.050								300	1.34	34.050		27.28	80	80	.4927
400	1.05	34.020								400	1.05	34.020		27.28	80	80	.5735
500	.73	34.060															
8월 (August)																	
KOREA ,JI RI SAN , STATION 104-04 , 37-034. N, 129-288. E, AUG.10.1979, 20.55 KST, DEPTH 110 , COLOR , TRANS. .																	
WAVE 1, SWELL 1, WIND SE 1, BARO 1009. , AIR TEMP. DRY 26.5, WET . , CLOUD. TYPE , AMT , WEATHER BC,																	
0	23.69	32.840								0	23.69	32.840		22.12	571	571	.0000
10	16.59	33.780								10	16.59	33.780		24.69	326	326	.0449
20	15.60	34.030								20	15.60	34.030		25.11	286	286	.0755
30	15.75	34.400								30	15.75	34.400		25.36	262	263	.1030
50	15.21	34.360								50	15.21	34.360		25.45	254	255	.1548
75	15.10	34.290								75	15.10	34.290		25.42	256	258	.2190
100	9.10	34.320															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	23.89	32.760								0	23.89	32.760		22.00	583	582	.0000
10	18.80	33.330								10	18.80	33.330		23.82	409	409	.0492
20	15.70	33.830								20	15.70	33.830		24.94	303	303	.0915
30	15.70	34.400								30	15.70	34.400		25.37	261	262	.1135
50	13.65	34.350								50	13.65	34.350		25.78	223	224	.1621
75	11.93	34.340								75	11.93	34.340		26.11	191	192	.2143
100	9.83	34.330								100	9.83	34.330		26.48	156	158	.2582
125	5.19	34.110								125	5.19	34.110		26.97	109	110	.2918
150	3.14	34.120								150	3.14	34.120		27.19	88	89	.3169
200	1.19	34.010								200	1.19	34.010		27.26	82	82	.3598
215	.97	34.030															

KOREA ,JI RI SAN , STATION 104-05 , 37-034. N, 129-336. E, AUG.10.1979, 20.00 KST, DEPTH 220 , COLOR , TRANS. . ,

WAVE 1, SWELL 1, WIND SE 1, BARO 1009. , AIR TEMP. DRY 27.0, WET . , CLOUD. TYPE , AMT , WEATHER B ,

KOREA ,JI RI SAN , STATION 104-06 , 37-034. N, 129-476. E, AUG.10.1979, 18.25 KST, DEPTH 600 , COLOR 3, TRANS. 19. ,

WAVE 1, SWELL 1, WIND SE 1, BARO 1009. , AIR TEMP. DRY 28.5, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	23.50	32.800	0	23.50	32.800	22.15	569	569	.0000
10	18.40	33.480	10	18.40	33.480	24.03	389	389	.0479
20	15.78	33.780	20	15.78	33.780	24.88	308	308	.0828
30	15.54	33.780	30	15.54	33.780	24.93	303	303	.1134
50	13.90	34.360	50	13.90	34.360	25.73	227	228	.1667

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
75	12.82	34.340								75	12.82	34.340		25.94	207	209	.2214
100	10.30	34.110								100	10.30	34.110		26.23	180	182	.2703
125	7.80	******								125	7.80	******		*****	***	***	******
150	5.40	34.140								150	5.40	34.140		26.97	109	111	******
200	1.85	33.990								200	1.85	33.990		27.20	88	88	******
250	.94	34.010								250	.94	34.010		27.28	80	80	******
300	.85	34.020								300	.85	34.020		27.29	79	79	******
400	.62	33.990								400	.62	33.990		27.28	80	80	******
500	.48	34.010															

KOREA ,JI RI SAN , STATION 104-07 , 37-034. N, 130-000. E, AUG.10.1979, 16.55 KST, DEPTH 1050 , COLOR 3, TRANS. 20. ,

WAVE 1, SWELL 1, WIND SW , BARO 1009.5, AIR TEMP. DRY 29.0, WET . , CLOUD. TYPE AC, AMT 2, WEATHER R.,

0	22.07	33.020								0	22.07	33.020		22.72	514	514	.0000
10	17.56	33.630								10	17.56	33.630		24.35	358	358	.0437
20	15.50	34.010								20	15.50	34.010		25.12	285	285	.0759
30	15.30	34.240								30	15.30	34.240		25.34	264	265	.1035
50	14.95	34.320								50	14.95	34.320		25.48	251	252	.1552
75	13.80	34.340								75	13.80	34.340		25.74	226	228	.2154
100	11.30	34.380								100	11.30	34.380		26.26	177	179	.2663
125	8.85	34.240								125	8.85	34.240		26.57	148	150	.3075
150	5.50	34.140								150	5.50	34.140		26.96	111	112	.3403
200	2.45	34.020								200	2.45	34.020		27.17	90	91	.3913
250	1.24	34.010								250	1.24	34.010		27.26	82	82	.4348
300	.92	34.000								300	.92	34.000		27.27	81	81	.4759
400	.72	34.020								400	.72	34.020		27.30	78	78	.5560
500	.62	34.030															

OBSERVED									INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	23.23	33.360								0	23.23	33.360		22.65	521	521	.0000
10	22.24	33.780								10	22.24	33.780		23.25	464	464	.0493
20	17.10	34.020								20	17.10	34.020		24.76	319	320	.0885
30	16.60	34.290								30	16.60	34.290		25.08	289	289	.1190
50	15.43	34.370								50	15.43	34.370		25.41	257	259	.1738
75	14.68	34.430								75	14.68	34.430		25.62	237	239	.2362
100	12.52	34.410								100	12.52	34.410		26.05	197	199	.2910
125	10.02	34.340								125	10.02	34.340		26.45	158	161	.3361
150	7.58	34.220								150	7.58	34.220		26.74	131	133	.3729
200	3.68	34.090								200	3.68	34.090		27.12	95	97	.4306
250	1.92	34.050								250	1.92	34.050		27.24	84	84	.4761
300	1.10	34.030								300	1.10	34.030		27.28	80	80	.5174
400	.73	34.030								400	.73	34.030		27.30	78	77	.5966
500	.60	34.030															

KOREA ,JI RI SAN STATION 104-08 , 37-034. N, 130-107. E, AUG.10.1979, 15.00 KST, DEPTH 720 , COLOR 3, TRANS. 21. ,

WAVE 1, SWELL 1, WIND SW , BARO 1009.5, AIR TEMP. DRY 29.5, WET . , CLOUD. TYPE AC, AMT 1, WEATHER B ,

KOREA ,JI RI SAN , STATION 104-09 , 37-034. N, 130-376. E, AUG.10.1979, 13.00 KST, DEPTH 2340 , COLOR 3, TRANS. 21. ,

WAVE 1, SWELL 1, WIND SE 1, BARO 1010.5, AIR TEMP. DRY 28.0, WET . , CLOUD. TYPE AC, AMT 2, WEATHER B ,

0	24.81	33.600								0	24.81	33.600		22.36	548	548	.0000
10	23.88	33.820								10	23.88	33.820		22.81	506	506	.0527
20	19.25	34.000								20	19.25	34.000		24.21	371	372	.0966
30	17.34	34.290								30	17.34	34.290		24.91	305	306	.1306

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
75	11.85	34.430								75	11.85	34.430		26.19	183	184	.2421
100	10.59	34.370								100	10.59	34.370		26.38	166	167	.2862
125	10.05	34.330								125	10.05	34.330		26.44	160	162	.3274
150	9.10	34.270								150	9.10	34.270		26.55	149	152	.3668
200	5.85	34.140								200	5.85	34.140		26.91	115	117	.4341
250	2.75	34.040								250	2.75	34.040		27.16	91	92	.4866
300	1.40	34.030								300	1.40	34.030		27.26	82	82	.5304
400	.90	34.010								400	.90	34.010		27.28	80	80	.6120
500	.70	34.020															

KOREA , JI RI SAN , STATION 104-10 , 37-034. N, 130-564. E, AUG.10.1979, 11.05 KST, DEPTH 1800 , COLOR 3, TRANS. 20. ,

WAVE 1, SWELL 1, WIND SE 2, BARO 1011. , AIR TEMP. DRY 26.1, WET . , CLOUD. TYPE AC, AMT 2, WEATHER B ,

0	24.42	33.940								0	24.42	33.940		22.74	512	512	.0000
10	24.01	33.870								10	24.01	33.870		22.81	506	506	.0509
20	21.79	33.860								20	21.79	33.860		23.43	447	446	.0986
30	17.30	34.000								30	17.30	34.000		24.70	325	326	.1373
50	16.50	34.360								50	16.50	34.360		25.16	281	282	.1982
75	14.11	34.400								75	14.11	34.400		25.72	228	230	.2624
100	11.05	34.400								100	11.05	34.400		26.32	171	173	.3128
125	10.42	34.350								125	10.42	34.350		26.39	164	167	.3554
150	10.06	34.320								150	10.06	34.320		26.43	160	163	.3967
200	7.71	34.210								200	7.71	34.210		26.72	133	136	.4719
250	4.10	34.080								250	4.10	34.080		27.07	100	102	.5317
300	1.98	34.020								300	1.98	34.020		27.21	87	87	.5793
400	.88	34.020								400	.88	34.020		27.29	79	79	.6631
500	.64	34.050															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,JI RI SAN , STATION 104-11 , 37-034. N, 131-153. E, AUG.10.1979, 09.05 KST, DEPTH 2325 , COLOR , TRANS. . ,																	
WAVE 1, SWELL 1, WIND SE 2, BARO 1011. , AIR TEMP. DRY 25.7, WET . , CLOUD. TYPE AC, AMT 2, WEATHER B ,																	
0	25.59	33.140								0	25.59	33.140		21.78	604	604	.0000
10	25.39	33.250								10	25.39	33.250		21.92	590	590	.0597
20	23.30	33.650								20	23.30	33.650		22.85	502	502	.1144
30	18.35	33.110								30	18.35	33.110		23.76	414	415	1603
50	16.62	34.410								50	16.62	34.410		25.17	280	281	.2301
75	15.93	34.400								75	15.93	34.400		25.32	266	268	.2988
100	13.15	34.430								100	13.15	34.430		25.94	207	209	.3586
125	11.50	34.410								125	11.50	34.410		26.24	178	181	.4075
150	8.72	34.290								150	8.72	34.290		26.63	142	144	.4482
200	5.09	34.130								200	5.09	34.130		27.00	107	109	.5117
250	2.37	34.030								250	2.37	34.030		27.19	89	90	.5615
300	1.47	34.020								300	1.47	34.020		27.25	83	83	.605(
400	.78	34.040								400	.78	34.040		27.31	77	77	.685
500	.59	34.020															
10 월 (October)																	
KOREA ,JI RI SAN , STATION 104-04 , 37-034. N, 129-288. E, OCT.16.1979, 07.55 KST, DEPTH 110 , COLOR 2, TRANS. 17.																	
WAVE 1, SWELL 1, WIND NE 2, BARO 1026. , AIR TEMP. DRY 21.1, WET . , CLOUD. TYPE CU, AMT 5, WEATHER BC,																	
0	20.80	32.690								0	20.80	32.690		22.81	505	505	.0000
10	20.68	32.960								10	20.68	32.960		23.05	482	482	.0494
20	20.54	33.360								20	20.54	33.360		23.39	450	450	.0961
30	20.02	33.320								30	20.02	33.320		23.50	440	440	.1406
50	11.64	33.250								50	11.64	33.250		25.32	266	267	.2115
75	6.03	34.200								75	6.03	34.200		26.94	112	113	.2591
100	3.43	34.150															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,JI RI SAN , STATION 104-05 , 37-034. N, 129-336. E, OCT.16.1979, 08.35 KST, DEPTH 220 , COLOR 2, TRANS. 16.

WAVE 1, SWELL 1, WIND NE 2, BARO 1026. , AIR TEMP. DRY 22.6, WET . , CLOUD. TYPE CU, AMT 4, WEATHER BC,

0	21.52	33.310								0	21.52	33.310		23.09	479	478	.0000
10	21.50	33.250								10	21.50	33.250		23.05	482	482	.0481
20	21.47	33.250								20	21.47	33.250		23.06	482	482	.0964
30	21.35	33.850								30	21.35	33.850		23.55	435	436	.1423
50	20.97	33.850								50	20.97	33.850		23.65	425	427	.2286
75	12.24	34.060								75	12.24	34.060		25.83	217	219	.3094
100	10.67	34.220								100	10.67	34.220		26.25	178	180	.3594
125	5.46	34.140								125	5.46	34.140		26.96	110	111	.3959
150	3.98	34.080								150	3.98	34.080		27.08	99	100	.4224
200	2.98	34.040								200	2.98	34.040		27.14	93	94	.4711
215	2.36	34.010															

KOREA ,JI RI SAN , STATION 104-06 , 37-034. N, 129-476. E, OCT.16.1979, 10.00 KST, DEPTH 600 , COLOR 2, TRANS. 18.

WAVE 1, SWELL 1, WIND NE 2, BARO 1026. , AIR TEMP. DRY 24.2, WET . , CLOUD. TYPE CU, AMT 2, WEATHER B ,

0	21.50	33.430								0	21.50	33.430		23.19	469	469	.0000
10	21.40	33.420								10	21.40	33.420		23.21	468	468	.0469
20	21.38	33.430								20	21.38	33.430		23.22	466	467	.0936
30	21.32	33.370								30	21.32	33.370		23.19	469	470	.1405
50	19.18	33.430								50	19.18	33.430		23.80	411	412	.2288

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	Si	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
75	17.29	33.690								75	17.29	33.690		24.46	348	350	.3242
100	16.18	34.180								100	16.18	34.180		25.10	287	290	.4043
125	13.50	34.370								125	13.50	34.370		25.82	218	221	.4683
150	5.68	34.350								150	5.68	34.350		27.10	97	99	.5083
200	2.59	33.970								200	2.59	33.970		27.12	95	96	.5571
250	1.32	33.710								250	1.32	33.710		27.01	106	106	.6077
300	.90	33.950								300	.90	33.950		27.23	85	85	.6555
400	.78	34.000								400	.78	34.000		27.28	80	80	.7384
500	.65	33.980															

KOREA ,JI RI SAN , STATION 104-07 , 37-034. N, 130-000. E, OCT.16.1979, 11.25 KST, DEPTH 1050 , COLOR 3, TRANS. 19. ,

WAVE 1, SWELL 1, WIND NE 2, BARO 1026. , AIR TEMP. DRY 26.5, WET . , CLOUD. TYPE CU, AMT 2, WEATHER B ,

0	21.49	33.430								0	21.49	33.430		23.19	469	469	.0000
10	21.40	33.360								10	21.40	33.360		23.16	472	472	.0471
20	21.35	33.350								20	21.35	33.350		23.17	471	472	.0943
30	21.12	33.390								30	21.12	33.390		23.26	462	463	.1411
50	20.28	33.570								50	20.28	33.570		23.62	428	429	.2304
75	17.49	34.030								75	17.49	34.030		24.67	328	329	.3254
100	16.94	34.400								100	16.94	34.400		25.09	288	291	.4031
125	15.30	34.340								125	15.30	34.340		25.42	257	260	.4721
150	9.12	34.250								150	9.12	34.250		26.53	151	153	.5239
200	3.14	34.050								200	3.14	34.050		27.14	94	95	.5861
250	1.47	33.990								250	1.47	33.990		27.22	85	86	.6314
300	.98	34.020								300	.98	34.020		27.28	80	80	.6730

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,JI RI SAN , STATION 104-08 , 37-034. N, 130-187. E, OCT.16.1979, 13.25 KST, DEPTH 720 , COLOR 2, TRANS. 18. ,																	
WAVE 2, SWELL 2, WIND NE 4, BARO 1024.5, AIR TEMP. DRY 25.3, WET . , CLOUD. TYPE CU, AMT 3, WEATHER BC,																	
0	20.88	33.450								0	20.88	33.450		23.37	452	452	.0000
10	20.84	33.390								10	20.84	33.390		23.33	455	455	.0454
20	20.90	33.420								20	20.90	33.420		23.34	455	455	.0910
30	20.82	33.400								30	20.82	33.400		23.35	454	455	.1365
50	17.80	33.440								50	17.80	33.440		24.15	378	379	.2199
75	16.12	34.240								75	16.12	34.240		25.16	282	284	.3029
100	13.65	34.300								100	13.65	34.300		25.74	226	229	.3670
125	13.10	34.340								125	13.10	34.340		25.88	213	216	.4226
150	10.91	34.330								150	10.91	34.330		26.29	174	177	.4718
200	9.37	34.240								200	9.37	34.240		26.48	155	159	.5560
250	6.60	34.120								250	6.60	34.120		26.80	125	129	.6282
300	1.90	33.960								300	1.90	33.960		27.17	90	91	.6834
400	.89	33.960								400	.80	33.960		27.24	84	84	.7714
500	.65	33.960															
KOREA ,JI RI SAN , STATION 104-09 , 37-034. N, 130-376. E, OCT.16.1979, 15.20 KST, DEPTH 2340 , COLOR 2, TRANS. 17. ,																	
WAVE 2, SWELL 3, WIND NE 4, BARO 1024.5, AIR TEMP. DRY 25.6, WET . , CLOUD. TYPE CI, AMT 4, WEATHER BC,																	
0	20.70	33.300								0	20.70	33.300		23.30	458	458	.0000
10	20.70	33.270								10	20.70	33.270		23.28	460	460	.0460
20	20.63	33.280								20	20.63	33.280		23.31	458	458	.0919
30	20.55	33.410								30	20.55	33.410		23.43	446	447	.1373
50	16.75	33.980								50	16.75	33.980		24.81	315	316	.2136

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
75	16.28	34.160								75	16.28	34.160		25.06	291	293	.2898
100	12.80	34.330								100	12.80	34.330		25.93	208	210	.3528
125	12.31	34.360								125	12.31	34.360		26.05	196	199	.4041
150	10.73	34.290								150	10.73	34.290		26.29	174	177	.4512
200	10.20	34.270								200	10.20	34.270		26.37	166	170	.5382
250	8.24	34.200								250	8.24	34.200		26.63	142	146	.6174
300	5.15	34.060								300	5.15	34.060		26.94	113	116	.6830
400	1.40	33.980								400	1.40	33.980		27.22	86	86	.7843
500	.72	33.940															

KOREA , JI PI SAN , STATION 104-10 , 37-034. N, 130-564. E, OCT.16,1979, 17.20 KST, DEPTH 1800 , COLOR 2, TRANS. 17. ,

WAVE 3, SWELL 3, 1 ND NE 5, BARO 1024. , AIR TEMP. DRY 21.5, WET . , CLOUD. TYPE CI, AMT 3, WEATHER BC,

0	20.69	33.340								0	20.69	33.340		23.34	455	455	.0000
10	20.25	33.280								10	20.25	33.280		23.41	448	448	.0452
20	20.20	33.300								20	20.20	33.300		23.44	446	446	.0900
30	20.20	33.290								30	20.20	33.290		23.43	446	447	.1347
50	16.24	34.090								50	16.24	34.090		25.01	295	296	.2091
75	15.00	34.290								75	15.00	34.290		25.44	254	256	.2783
100	12.80	34.330								100	12.80	34.330		25.93	208	210	.3366
125	11.60	34.350								125	11.60	34.350		26.18	184	187	.3864
150	10.74	34.320								150	10.74	34.320		26.31	172	175	.4317
200	10.13	34.250								200	10.13	34.250		26.36	167	171	.5183
250	6.40	34.240								250	6.40	34.240		26.92	114	117	.5904
300	6.34	34.100								300	6.34	34.100		26.82	124	127	.6518
400	3.15	34.040								400	3.15	34.040		27.13	94	97	.7643

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,JI RI SAN , STATION 104-11 , 37-034. N, 131-153. E, OCT.16.1979, 19.15 KST, DEPTH 2325 , COLOR , TRANS. . ,																	
WAVE 2, SWELL 2, WIND NE 3, BARO 1025. , AIR TEMP. DRY 20.4, WET . , CLOUD. TYPE , AMT , WEATHER B ,																	
0	21.21	33.640								0	21.21	33.640		23.42	447	446	.0000
10	21.22	33.490								10	21.22	33.490		23.31	458	458	.0453
20	21.24	33.490								20	21.24	33.490		23.30	458	459	.0911
30	20.78	33.390								30	20.78	33.390		23.35	454	454	.1368
50	20.34	33.500								50	20.34	33.500		23.55	435	436	.2260
75	16.34	34.190								75	16.34	34.190		25.07	290	292	.3171
100	14.54	34.320								100	14.54	34.320		25.57	243	245	.3843
125	11.60	34.320								125	11.60	34.320		26.16	187	189	.4387
150	10.83	34.310								150	10.83	34.310		26.29	174	177	.4846
200	10.22	34.260								200	10.22	34.260		26.36	168	171	.5719
250	9.48	34.240								250	9.48	34.240		26.47	157	162	.6555
300	8.27	34.130								300	8.27	34.130		26.57	147	152	.7342
400	5.41	34.070								400	5.41	34.070		26.91	115	119	.8705
500	2.21	33.920															
12 월 (December)																	
KOREA ,JI RI SAN , STATION 104-04 , 37-034. N, 129-285. E, DEC.13.1979, 13.40 KST, DEPTH 110 , COLOR , TRANS. . ,																	
WAVE 1, SWELL 1, WIND SW 1, BARO . , AIR TEMP. DRY 11.0, WET . , CLOUD. TYPE , AMT , WEATHER																	
0	15.62	34.400								0	15.62	34.400		25.39	259	259	.0000
10	15.75	34.420								10	15.75	34.420		25.38	261	261	.0260
20	15.70	34.380								20	15.70	34.380		25.36	262	263	.0522
30	15.60	34.390								30	15.60	34.390		25.39	260	260	.0784
50	15.58	34.450								50	15.58	34.450		25.44	255	256	.1301
75	14.45	34.360								75	14.45	34.360		25.62	238	240	.1922
100	6.36	34.290															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA ,JI RI SAN , STATION 104-05 , 37-034. N, 129-336. E, DEC.13.1979, 14.25 KST, DEPTH 220 , COLOR 3, TRANS. 12. ,																	
WAVE 1, SWELL 1, WIND SW 2, BARO 1025.5, AIR TEMP. DRY 12.0, WET % , CLOUD. TYPE , AMT , WEATHER B ,																	
0	15.51	34.440								0	15.51	34.440		25.45	254	254	.0000
10	16.20	34.450								10	16.20	34.450		25.30	268	268	.0261
20	16.20	34.470								20	16.20	34.470		25.31	267	267	.0529
30	16.20	34.530								30	16.20	34.530		25.36	262	263	.0795
50	15.70	34.500								50	15.70	34.500		25.45	254	255	.1313
75	13.27	34.460								75	13.27	34.460		25.94	207	209	.1894
100	9.58	34.430								100	9.58	34.430		26.60	145	146	.2339
125	5.75	34.250								125	5.75	34.250		27.01	105	107	.2657
150	4.57	34.190								150	4.57	34.190		27.10	97	98	.2913
200	3.56	34.160								200	3.56	34.160		27.18	89	90	.3386
215	1.55	34.120															
KOREA ,JI RI SAN , STATION 104-06 , 37-034. N, 129-476. E, DEC.13.1979, 15.55 KST, DEPTH 600 , COLOR 3, TRANS. 16. ,																	
WAVE 1, SWELL 1, WIND NE 3, BARO 1024. , AIR TEMP. DRY 11.6, WET . , CLOUD. TYPE , AMT , WEATHER B ,																	
0	15.69	34.250								0	15.69	34.250		25.26	272	271	.0000
10	15.70	34.220								10	15.70	34.220		25.24	274	274	.0273
20	15.30	34.220								20	15.30	34.220		25.32	266	266	.0544
30	15.02	34.190								30	15.02	34.190		25.36	262	262	.0808
50	15.00	34.330								50	15.00	34.330		25.47	251	252	.1324

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
75	14.98	34.440								75	14.98	34.440		25.56	243	245	.1947
100	10.80	34.470								100	10.80	34.470		26.42	162	164	.2458
125	6.70	34.250								125	6.70	34.250		26.89	117	118	.2812
150	2.86	34.120								150	2.86	34.120		27.22	86	86	.3069
200	1.90	34.120								200	1.90	34.120		27.30	78	79	.3485
250	1.50	34.110								250	1.50	34.110		27.32	76	77	.3876
300	1.24	34.110								300	1.24	34.110		27.34	75	75	.4257
400	.95	34.110								400	.95	34.110		27.36	73	73	.5002
500	.58	34.130															

KOREA ,JI RI SAN , STATION 104-07 , 37-034. N, 130-000. E, DEC.13.1979, 17.20 KST, DEPTH 1050 , COLOR 3, TRANS. 15. ,

WAVE 1, SWELL 1, WIND NE 2, BARO 1024.5, AIR TEMP. DRY 9.6, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	14.91	34.220								0	14.91	34.220		25.41	257	257	.0000
10	15.02	34.200								10	15.02	34.200		25.37	261	261	.0260
20	15.01	34.200								20	15.01	34.200		25.37	261	261	.0521
30	15.00	34.230								30	15.00	34.230		25.40	259	259	.0782
50	14.28	34.210								50	14.28	34.210		25.54	245	246	.1289
75	13.82	34.160								75	13.82	34.160		25.60	240	242	.1900
100	12.70	34.490								100	12.70	34.490		26.08	194	196	[illegible]
125	10.38	34.490								125	10.38	34.490		26.51	153	154	[illegible]
150	9.83	34.420								150	9.83	34.420		26.55	149	[illegible]	[illegible]
200	7.85	34.350								200	7.85	34.350		26.81	125	[illegible]	[illegible]
250	4.00	34.230								250	4.00	34.230		27.20	[illegible]	90	.4525
300	1.05	34.140								300	1.05	34.140		[illegible]	71	71	.4550
400	.98	34.150								400	.98	34.150		27.39	7	[illegible]	.5642
500	.82	34.130															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA ,JI RI SAN , STATION 104-08 , 37-034. N, 130-137. E, DEC.13.1979, 19.20 KST, DEPTH 720 , COLOR , TRANS. ,																	
WAVE 1, SWELL 1, WIND NE 2, BARO 1024. , AIR TEMP. DRY 8.3, WET . , CLOUD. TYPE , AMT , WEATHER 8 ,																	
0	14.55	34.200								0	14.55	34.200		25.47	252	251	.0000
10	15.10	34.150								10	15.10	34.150		25.31	267	267	.0259
20	15.10	34.210								20	15.10	34.210		25.36	262	262	.0524
30	15.10	34.220								30	15.10	34.220		25.37	261	262	.0787
50	15.10	34.230								50	15.10	34.230		25.38	261	262	.1312
75	15.10	34.250								75	15.10	34.250		25.39	259	261	.1967
100	14.87	34.260								100	14.87	34.260		25.45	254	256	.2614
125	11.37	34.490								125	11.37	34.490		26.33	170	173	.3151
150	10.48	34.470								150	10.48	34.470		26.48	156	159	.3567
200	9.75	34.420								200	9.75	34.420		26.56	148	152	.4348
250	7.92	34.330								250	7.92	34.330		26.78	127	131	.5058
300	3.90	34.200								300	3.90	34.200		27.18	89	91	.5617
400	1.82	34.130								400	1.82	34.130		27.31	77	78	.6470
500	1.15	34.110															
KOREA ,JI RI SAN , STATION 104-09 , 37-034. N, 130-376. E, DEC.13.1979, 21.15 KST, DEPTH 2340 , COLOR , TRANS. ,																	
WAVE 1, SWELL 1, WIND NE 2, BARO 1024. , AIR TEMP. DRY 9.3, WET . , CLOUD. TYPE , AMT , WEATHER 8 ,																	
0	14.05	34.160								0	14.05	34.160		25.55	244	244	.0000
10	14.84	34.210								10	14.84	34.210		25.42	257	257	.0251
20	14.84	34.210								20	14.84	34.210		25.42	257	257	.0508
30	14.84	34.220								30	14.84	34.220		25.42	256	257	.0766
										50	14.85	34.230		25.42	257	258	.1281

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
75	14.95	34.200								75	14.95	34.200		25.39	260	[illegible]	.1932
100	14.93	34.200								100	14.93	34.200		25.39	259	262	.2587
125	11.70	34.480								125	11.70	34.480		26.26	177	[illegible]	.3140
150	11.03	34.470								150	11.03	34.470		26.33	166	169	.3576
200	10.00	34.430								200	10.00	34.430		26.53	151	[illegible]	.4338
250	8.40	34.320								250	8.40	34.320		26.70	135	[illegible]	.5126
300	4.90	34.220								300	4.90	34.220		27.09	98	101	.5729
400	2.02	34.130								400	2.02	34.130		27.30	78	80	.6636
500	1.13	34.110															

KOREA ,JI RI SAN , STATION 104-10 , 37-034. N, 130-564. E, DEC.13.1979, 23.15 KST, DEPTH 1800 , COLOR , TRANS. . ,

WAVE 1, SWELL 1, WIND NE 2, BARO 1024. , AIR TEMP. DRY 9.2, WET . , CLOUD. TYPE , AMT , WEATHER P ,

0	14.73	34.220								0	14.73	34.220		25.45	254	253	.0000
10	15.27	34.240								10	15.27	34.240		25.35	264	264	.0259
20	15.25	34.240								20	15.25	34.240		25.35	263	263	.0523
30	15.30	34.240								30	15.30	34.240		25.34	264	265	.0787
50	15.25	34.230								50	15.25	34.230		25.34	264	265	.1318
75	15.20	34.220								75	15.20	34.220		25.35	264	265	.1982
100	15.04	34.330								100	15.04	34.330		25.47	252	255	.2633
125	11.00	34.470								125	11.00	34.470		26.38	165	168	.3162
150	10.35	34.490								150	10.35	34.490		26.51	153	156	.3567
200	9.25	34.390								200	9.25	34.390		26.62	142	146	.4324
250	7.42	34.320								250	7.42	34.320		26.85	121	125	.5004
300	2.74	34.180								300	2.74	34.180		27.28	80	82	.5523
400	1.34	34.130								400	1.34	34.130		27.35	74	74	.6308
500	.90	34.150															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	Si	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-Y
0	15.34	34.250								0	15.34	34.250		25.34	264	264	.0000
10	15.40	34.220								10	15.40	34.220		25.30	268	268	.0266
20	15.30	34.270								20	15.30	34.270		25.36	262	262	.0532
30	15.00	34.300								30	15.00	34.300		25.45	254	254	.0790
50	14.90	34.270								50	14.90	34.270		25.45	254	255	.1300
75	13.80	34.270								75	13.80	34.270		25.68	231	233	.1911
100	12.93	34.490								100	12.93	34.490		26.03	198	201	.2455
125	12.00	34.490								125	12.00	34.490		26.21	181	184	.2937
150	9.33	34.420								150	9.33	34.420		26.63	141	144	.3348
200	4.62	34.210								200	4.62	34.210		27.11	96	97	.3954
250	2.40	34.140								250	2.40	34.140		27.27	81	82	.4404
300	1.22	34.120								300	1.22	34.120		27.35	74	74	.4795
400	.83	34.070								400	.83	34.070		27.33	75	75	.5546
500	.70	34.120															

KOREA ,JI RI SAN , STATION 104-11 , 37-034. N, 131-153. E, DEC.14.1979, 01.10 KST, DEPTH 2325 , COLOR , TRANS. . ,

WAVE 1, SWELL 1, WIND NW 4, BARO 1024. , AIR TEMP. DRY 9.5, WET . , CLOUD. TYPE , AMT , WEATHER 8 ,

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

2월 (February)

KOREA ,JI RI SAN , STATION 103-04 , 36-303. N, 129-301. E, FEB.12.1979, 23.00 KST, DEPTH 110 , COLOR. , TRANS. .

WAVE 3, SWELL 1, WIND SW 3, BARO 1021. , AIR TEMP. DRY 9.5, WET . , CLOUD. TYPE , AMT , WEATHER 8 ,

0	11.90	34.540	0	11.90	34.540	26.27	176	175	.0000
10	12.14	34.550	10	12.14	34.550	26.23	179	179	.0178
20	12.24	34.540	20	12.24	34.540	26.21	182	182	.0359
30	12.20	34.520	30	12.20	34.520	26.20	183	183	.0542
50	12.20	34.380	50	12.20	34.380	26.09	193	194	.0920
75	11.90	34.540	75	11.90	34.540	26.27	176	177	.1385
100	4.55	34.020							

KOREA ,JI RI SAN , STATION 103-05 , 36-303. N, 129-354. E, FEB.12.1979, 23.45 KST, DEPTH 205 , COLOR. , TRANS. .

WAVE 3, SWELL 1, WIND SW 3, BARO 1021. , AIR TEMP. DRY 9.2, WET . , CLOUD. TYPE , AMT , WEATHER 8 ,

0	11.78	34.550	0	11.78	34.550	26.30	173	173	.0000
10	12.43	34.520	10	12.43	34.520	26.15	187	187	.0180
20	12.78	34.530	20	12.78	34.530	26.09	193	193	.0371
30	12.47	34.490	30	12.47	34.490	26.12	190	190	.0563
50	12.40	34.490	50	12.40	34.490	26.14	189	189	.0943
75	11.53	34.450	75	11.53	34.450	26.27	176	177	.1403
100	8.22	34.270	100	8.22	34.270	26.69	136	137	.1798
125	5.93	34.150	125	5.93	34.150	26.91	115	116	.2116
150	3.56	34.060	150	3.56	34.060	27.11	97	97	.2384
200	2.40	34.060							

OBSERVED									INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,JI RI SAN , STATION 103-06 , 36-303. N, 129-473. E, FEB.13.1979, 01.05 KST, DEPTH 235 , COLOR , TRANS. . ,

WAVE 3, SWELL 1, WIND SW 3, BARO 1020.5, AIR TEMP. DRY 10.2, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	12.81	34.490					0	12.81	34.490	26.05	196	196	.0000
10	13.13	34.550					10	13.13	34.550	26.04	198	198	.0197
20	13.24	34.520					20	13.24	34.520	25.99	202	202	.0398
30	13.20	34.510					30	13.20	34.510	25.99	202	203	.0601
50	13.02	34.500					50	13.02	34.500	26.02	199	200	.1005
75	13.00	34.530					75	13.00	34.530	26.05	197	198	.1505
100	13.00	34.490					100	13.00	34.490	26.02	200	202	.2007
125	12.60	34.430					125	12.60	34.430	26.05	197	199	.2510
150	6.63	34.250					150	6.63	34.250	26.90	116	118	.2907
200	3.12	34.070					200	3.12	34.070	27.15	92	93	.3437
230	2.50	34.000											

KOREA ,JI RI SAN , STATION 103-07 , 36-303. N, 130-000. E, FEB.13.1979, 02.20 KST, DEPTH 450 , COLOR , TRANS. .

WAVE 3, SWELL 1, WIND SW 3, BARO 1019. , AIR TEMP. DRY 10.5, WET . , CLOUD. TYPE , T , WEATHER B ,

0	13.30	34.530					0	13.30	34.530	25.99	203	202	.0000
10	13.60	34.450					10	13.60	34.450	25.86	214	214	.0209
20	13.56	34.600					20	13.56	34.600	25.99	203	203	.0418
30	13.00	34.470					30	13.00	34.470	26.00	201	202	.0620
50	12.78	34.440					50	12.78	34.440	26.02	199	200	.1023

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
75	12.62	34.410								75	12.62	34.410		26.05	198	200	.1525
100	12.61	34.400								100	12.61	34.400		26.02	199	201	.2028
125	12.61	34.440								125	12.61	34.440		26.06	196	199	.2529
150	12.60	34.460								150	12.60	34.460		26.07	194	198	.3026
200	11.23	34.420								200	11.23	34.420		26.30	173	177	.3966
250	6.04	34.170								250	6.04	34.170		26.91	115	118	.4705
300	3.23	34.070								300	3.23	34.070		27.14	93	95	.5238
400	1.82	33.880								400	1.82	33.880		27.11	96	97	.6200
500	1.23	33.970															

KOREA ,JI RI SAN , STATION 103_08 , 36-303. N, 130-186. E, FEB.13.1979, 04.20 KST, DEPTH 198 , COLOR , TRANS.

WAVE 3, SWELL 1, WIND SW 4, BARO 1020. , AIR TEMP. DRY 10.5, WET . , CLOUD. TYPE , AMT , WEATHER 3 ,

0	12.20	34.300								0	12.20	34.300		26.03	199	199	.0000
10	12.24	34.310								10	12.24	34.310		26.03	199	199	.0199
20	12.21	34.330								20	12.21	34.330		26.05	197	197	.0398
30	12.22	34.300								30	12.22	34.300		26.02	199	200	.0596
50	12.30	34.330								50	12.30	34.330		26.03	198	199	.0996
75	12.31	34.350								75	12.31	34.350		26.04	197	199	.1495
100	12.10	34.390								100	12.10	34.390		26.12	190	192	.1985
125	12.10	34.360								125	12.10	34.360		26.09	193	195	.2471
150	8.70	34.170								150	8.70	34.170		26.54	150	153	.2908
195	6.70	34.110															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2 N	NO3 N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,JI RI SAN , STATION 103-10 , 36-03.0 N, 130-55.0 E, FEB 13,1979, 06.15 KST, DEPTH 2150 , COLOR , TRANS. ,

WAVE 3, SWELL , WIND SW 5, BARO 1021. , AIR TEMP. DRY , WET , CLOUD. TYPE , AMT , WEATHER B ,

0	11.70	34.330	0	11.70	34.330	26.14	188	187	.0000
10	12.00	34.290	10	12.00	34.290	26.06	196	196	.0192
20	12.00	34.250	20	12.00	34.250	26.03	199	199	.0390
30	12.00	34.310	30	12.00	34.310	26.07	194	195	.0588
50	12.00	34.290	50	12.00	34.290	26.06	196	197	.0980
75	12.00	34.330	75	12.00	34.330	26.09	193	194	.1471
100	11.88	34.310	100	11.88	34.310	26.10	192	194	.1958
125	11.83	34.290	125	11.83	34.290	26.09	193	196	.2447
150	11.77	34.270	150	11.77	34.270	26.09	193	196	.2938
200	10.50	34.230	200	10.50	34.230	26.28	174	178	.3877
250	8.40	34.170	250	8.40	34.170	26.58	146	150	.4701
300	2.78	34.050	300	2.78	34.050	27.17	90	92	.5309
400	.95	34.020	400	.95	34.020	27.28	80	80	.6172
500	.83	34.040							

KOREA JI RI SAN STATION 103-20 , 36-30.0 N, 130-55.0 E, FEB 13,1979, 08.15 KST, DEPTH 1800 , COLOR 3, TRANS. 18. ,

WAVE 3, SWELL 1, WIND SW 4, BARO 1021. , AIR TEMP. DRY 10.7, WET , CLOUD. TYPE AC, AMT 2, WEATHER B ,

0	11.97	34.290	0	11.97	34.290	26.06	195	195	.0000
10	12.05	34.290	10	12.05	34.290	26.05	197	197	.0196
20	12.10	34.330	20	12.10	34.330	26.07	195	195	.0393
30	12.10	34.290	30	12.10	34.290	26.04	198	198	.0590
50	12.20	34.300	50	12.20	34.300	26.03	199	200	.0989

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
100	12.06	34.290								100	12.06	34.290		26.05	197	199	.1991
125	12.04	34.290								125	12.04	34.290		26.05	197	199	.2490
150	12.06	34.330								150	12.06	34.330		26.08	194	197	.2987
200	10.70	34.240								200	10.70	34.240		26.26	177	181	.3935
250	8.22	34.200								250	8.22	34.200		26.63	141	145	.4754
300	3.05	34.040								300	3.05	34.040		27.14	93	95	.5357
400	1.55	33.980								400	1.55	33.980		27.21	87	87	.6273
500	1.02	33.970															

KOREA ,JI RI SAN , STATION 103-11 , 36-303. N, 131-140. E, FEB.13.1979, 10.10 KST, DEPTH 2100 , COLOR 3, TRANS. 18. ,

WAVE 3, SWELL 1, WIND SW 3, BARO 1021. , AIR TEMP. DRY 15.5, WET . , CLOUD. TYPE AC, AMT 3, WEATHER BC,

0	12.18	34.240								0	12.18	34.240		25.98	203	203	.0000
10	12.22	34.260								10	12.22	34.260		25.99	202	202	.0203
20	12.24	34.240								20	12.24	34.240		25.97	204	204	.0406
30	12.20	34.320								30	12.20	34.320		26.04	197	198	.0608
50	12.20	34.320								50	12.20	34.320		26.04	197	198	.1005
75	12.20	34.300								75	12.20	34.300		26.03	199	200	.1504
100	12.14	34.300								100	12.14	34.300		26.04	198	200	.2006
125	12.10	34.280								125	12.10	34.280		26.03	198	201	.2508
150	12.03	34.200								150	12.03	34.200		25.98	203	206	.3019
200	11.90	34.270								200	11.90	34.270		26.06	196	200	.4037
250	11.10	34.210								250	11.10	34.210		26.16	186	191	.5018
300	8.13	34.160								300	8.13	34.160		26.62	143	148	.5868
400	1.67	33.990								400	1.67	33.990		27.21	87	87	.7049
500	.91	33.980															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

3 월 (March)

KOREA ,JI RI SAN , STATION 103-04 , 36-303. N, 129-301. E, MAR.20.1979, 16.50 KST, DEPTH 110 , COLOR , TRANS. . ,

WAVE 4, SWELL 2, WIND N 6, BARO 1022. , AIR TEMP. DRY 11.0, WET . , CLOUD. TYPE AS, AMT 10, WEATHER C ,

0	13.10	34.320								0	13.10	34.320		25.87	214	214	.0000
10	12.54	34.360								10	12.54	34.360		26.01	201	201	.0208
20	8.65	34.350								20	8.65	34.350		26.69	136	136	.0377
30	8.28	34.280								30	8.28	34.280		26.69	136	136	.0514
50	8.13	34.120								50	8.13	34.120		26.58	146	146	.0798
75	5.42	34.070								75	5.42	34.070		26.91	115	115	.1126
100	2.81	33.890															

KOREA ,JI RI SAN , STATION 103-05 , 36-303. N, 129-354. E, MAR.20.1979, 15.50 KST, DEPTH 205 , COLOR 3, TRANS. 18. ,

WAVE 3, SWELL 2, WIND N 5, BARO 1022. , AIR TEMP. DRY 10.2, WET . , CLOUD. TYPE AC, AMT 8, WEATHER C ,

0	12.46	34.370								0	12.46	34.370		26.03	198	198	.0000
10	12.32	34.330								10	12.32	34.330		26.03	199	199	.0199
20	12.12	33.900								20	12.12	33.900		25.73	227	227	.0412
30	11.84	34.070								30	11.84	34.070		25.92	209	210	.0631
50	11.70	******								50	11.70	******		*****	***	***	******
75	8.54	33.910								75	8.54	33.910		26.36	167	168	******
100	3.42	33.870								100	3.42	33.870		26.97	110	110	******
125	2.07	33.840								125	2.07	33.840		27.06	101	101	******
150	1.52	33.840								150	1.52	33.840		27.10	97	97	******
200	1.18	******															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,JI RI SAN , STATION 103-06 , 36-303. N, 129-473. E, MAR.20.1979, 14.30 KST, DEPTH 235 , COLOR 3, TRANS. 18. ,

WAVE 3, SWELL 2, WIND N 5, BARO 1022. , AIR TEMP. DRY 11.3, WET . , CLOUD. TYPE , AMT , WEATHER 8 ,

0	13.20	34.380							0	13.20	34.380	25.89	212	211	.0000
10	13.23	34.400							10	13.23	34.400	25.90	211	211	.0212
20	13.31	34.430							20	13.31	34.430	25.91	210	210	.0423
30	13.36	34.350							30	13.36	34.350	25.84	217	217	.0637
50	13.45	34.390							50	13.45	34.390	25.85	216	217	.1072
75	13.40	34.410							75	13.40	34.410	25.87	213	215	.1613
100	13.40	34.390							100	13.40	34.390	25.86	215	217	.2154
125	13.21	34.390							125	13.21	34.390	25.90	211	214	.2694
150	13.01	34.380							150	13.01	34.380	25.93	208	212	.3228
200	10.21	34.360							200	10.21	34.360	26.44	160	164	.4169
230	8.92	******													

KOREA ,JI RI SAN , STATION 103-07 , 36-303. N, 130-000. E, MAR.20.1979, 13.00 KST, DEPTH 850 , COLOR 3, TRANS. 16.

WAVE 3, SWELL 2, WIND N 5, BARO 1022. , AIR TEMP. DRY 14.8, WET . , CLOUD. TYPE CI, AMT 3, WEATHER BC,

0	13.28	34.350							0	13.28	34.350	25.85	215	215	.0000
10	13.19	34.510							10	13.19	34.510	25.99	202	202	.0209
20	13.30	34.410							20	13.30	34.410	25.89	211	212	.0416
30	13.35	34.400							30	13.35	34.400	25.88	213	214	.0629

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2 N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
50	13.35	34.400								50	13.35	34.400		25.88	213	214	.1058
75	13.31	34.400								75	13.31	34.400		25.88	212	214	.1594
100	13.27	34.380								100	13.27	34.380		25.88	213	215	.2132
125	11.25	34.290								125	11.25	34.290		26.20	183	185	.2634
150	10.68	34.260								150	10.68	34.260		26.28	175	178	.3089
200	10.19	34.040								200	10.19	34.040		26.19	183	187	.4005
250	3.76	33.970								250	3.76	33.970		27.01	105	107	.4742
300	3.21	33.960															

KOREA ,JI RI SAN , STATION 103-03 , 36-30S. N, 130-19E. E, MAR.20.1979, 11.10 KST, DEPTH 198 , COLOR 3, TRANS. 17.

WAVE 4, SWELL 2, WIND N 6, BARO 1022. , AIR TEMP. DRY 13.2, WET . , CLOUD. TYPE AS, AMT 10, WEATHER C

0	11.89	34.330								0	11.89	34.330		26.11	191	191	.0000
10	12.00	34.270								10	12.00	34.270		26.04	197	197	.0195
20	11.75	34.170								20	11.75	34.170		26.01	200	200	.0394
30	11.84	34.310								30	11.84	34.310		26.10	192	192	.0591
50	11.74	34.300								50	11.74	34.300		26.11	191	191	.0975
75	11.18	34.250								75	11.18	34.250		26.18	184	186	.1448
100	10.95	34.190								100	10.95	34.190		26.17	185	187	.1915
125	10.42	34.140								125	10.42	34.140		26.23	180	182	.2377
150	9.16	34.070								150	9.16	34.070		26.39	165	167	.2815
200	8.34	34.010															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	DYN
0	11.18	34.140								0	11.18	34.140		26.09	193	192	.0000
10	11.18	34.150								10	11.18	34.150		26.10	192	192	.0192
20	11.15	34.140								20	11.15	34.140		26.10	192	192	.0385
30	11.18	34.140								30	11.18	34.140		26.09	193	193	.0578
50	11.18	34.130								50	11.18	34.130		26.09	193	194	.0966
75	11.25	34.140								75	11.25	34.140		26.08	194	195	.1454
100	11.20	34.140								100	11.20	34.140		26.09	193	195	.1942
125	11.12	34.130								125	11.12	34.130		26.10	192	194	.2430
150	10.60	34.070								150	10.60	34.070		26.14	188	191	.2913
200	10.00	34.050								200	10.00	34.050		26.23	179	183	.3851
250	9.38	34.050								250	9.38	34.050		26.33	170	174	.4747
300	5.25	34.030															

KOREA ,JI PI SAN , STATION 103-09 , 36-30S. N, 130-37S. E, MAR.20.1979, 09.00 KST, DEPTH 2150 , COLOR 3, TRANS. 19. ,

WAVE 3, SWELL 1, WIND NW 5, BARO 1022. , AIR TEMP. DRY 14.1, WET . , CLOUD. TYPE , AMT , WEATHER B ,

KOREA ,JI PI SAN , STATION 103-10 , 36-30S. N, 130-35S. E, MAR.20.1979, 07.10 KST, DEPTH 1500 , COLOR 3, TRANS. 22.

WAVE 4, SWELL 2, WIND NW 5, BARO 1020. , AIR TEMP. DRY 14.1, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	11.15	34.120	0	11.15	34.120	26.08	193	193	.0000
10	11.20	34.170	10	11.19	34.170	26.11	191	191	.0192
20	11.18	34.120	20	11.18	34.120	26.08	194	194	.0585
30	11.20	34.120	30	11.20	34.120	26.07	194	195	.0580

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
50	11.20	34.140								50	11.20	34.140		26.09	193	194	.0970
75	11.20	34.140								75	11.20	34.140		26.09	193	194	.1456
100	11.20	34.130								100	11.20	34.130		26.08	194	196	.1944
125	11.20	34.130								125	11.20	34.130		26.08	194	196	.2435
150	10.21	34.120								150	10.21	34.120		26.25	178	181	.2907
200	9.85	34.120								200	9.85	34.120		26.31	172	176	.3800
250	6.88	34.140								250	6.88	34.140		26.78	127	131	.4568
300	3.40	34.140															

4 월 (April)

KOREA ,JI RI SAN , STATION 103-04 , 36-303. N, 129-301. E, APR.18.1979, 09.55 KST, DEPTH 110 , COLOR 4, TRANS. 8. ,

WAVE 1, SWELL 1, WIND SW 2, BARO 1023. , AIR TEMP. DRY 12.4, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	13.48	34.290								0	13.48	34.290		25.77	224	223	.0000
10	13.42	34.320								10	13.42	34.320		25.80	220	220	.0222
20	13.28	34.310								20	13.28	34.310		25.82	218	219	.0442
30	13.00	34.280								30	13.00	34.280		25.85	215	216	.0660
50	12.85	34.280								50	12.85	34.280		25.88	212	213	.1090
75	9.58	34.160								75	9.58	34.160		26.39	165	166	.1565
105	5.14	33.960															

KOREA ,JI RI SAN , STATION 103-05 , 36-303. N, 129-354. E, APR.18.1979, 09.10 KST, DEPTH 205 , COLOR 3, TRANS. 11. ,

WAVE 1, SWELL 1, WIND SW 2, BARO 1023. , AIR TEMP. DRY 13.3, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	13.50	34.340								0	13.50	34.340		25.80	220	220	.0000
10	13.99	34.340								10	13.99	34.340		25.70	230	230	.0226
20	13.99	34.340								20	13.99	34.340		25.70	230	230	.0456
30	13.97	34.340								30	13.97	34.340		25.70	230	230	.0687

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
50	13.95	34.330								50	13.95	34.330		25.70	230	231	.1149
75	13.30	34.310								75	13.30	34.310		25.82	219	220	.1714
100	10.60	34.210								100	10.60	34.210		26.25	177	179	.2215
125	7.94	34.040								125	7.94	34.040		26.55	149	151	.2629
150	7.04	34.000								150	7.04	34.000		26.65	140	142	.2997
200	2.44	33.840															

KOREA , JI RI SAN , STATION 103-06 , 36-303. N, 129-473. E, APR.18.1979, 07.55 KST, DEPTH 235 , COLOR 3, TRANS. 13.
WAVE 1, SWELL 1, WIND SW 2, BARO 1023. , AIR TEMP. DRY 11.9, WET ; CLOUD. TYPE AC, AMT 2, WEATHER B ,

0	12.94	34.290								0	12.94	34.290		25.87	213	213	.0000
10	13.65	34.310								10	13.65	34.310		25.75	226	225	.0220
20	13.83	34.310								20	13.83	34.310		25.71	229	229	.0448
30	13.81	34.340								30	13.81	34.340		25.74	226	227	.0676
50	13.50	34.350								50	13.50	34.350		25.81	220	221	.1125
75	13.32	34.340								75	13.32	34.340		25.84	217	219	.1675
100	12.90	34.320								100	12.90	34.320		25.91	210	213	.2215
125	11.50	34.200								125	11.50	34.200		26.08	194	196	.2727
150	10.50	34.180								150	10.50	34.180		26.25	178	181	.3200
200	7.58	34.040								200	7.5	34.040		26.60	144	147	.4023
230	4.78	33.890															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	10.52	34.260								0	10.52	34.260		26.30	172	172	.0000
10	10.52	34.120								10	10.52	34.120		26.20	183	183	.0178
20	10.88	34.150								20	10.88	34.150		26.16	187	187	.0363
30	11.18	34.050								50	11.18	34.050		26.02	199	200	.0557
50	11.25	34.100								50	11.25	34.100		26.05	197	197	.0955
75	11.92	34.000								75	11.92	34.000		25.85	216	217	.1475
100	11.54	33.880								100	11.54	33.880		25.83	218	220	.2022
125	11.60	34.250								125	11.60	34.250		26.10	192	194	.2541
150	11.27	34.250								150	11.27	34.250		26.16	186	189	.3022
200	10.25	34.140								200	10.25	34.140		26.26	177	181	.3949
250	9.65	34.090								250	9.65	34.090		26.32	171	176	.4842
300	8.20	34.010								300	8.20	34.010		26.49	155	160	.5683
400	6.57	33.940								400	6.57	33.940		26.66	138	144	.7205
500	2.24	33.800															

KOREA ,JI RI SAN , STATION 103-07 , 36-303. N, 130-000. E, APR.18.1979, 06.30 KST, DEPTH 850 , COLOR 3, TRANS. 14. ,

WAVE 1, SWELL 1, WIND S 2, BARO 1022. , AIR TEMP. DRY 3.3, WET . , CLOUD. TYPE AC, AMT 2, WEATHER B ,

KOREA ,JI RI SAN , STATION 103-08 , 36-303. N, 130-186. E, APR.18.1979, 04.45 KST, DEPTH 198 , COLOR , TRANS.

WAVE 1, SWELL 1, WIND S 3, BARO 1022. , AIR TEMP. DRY 7.9, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	10.81	34.170								0	10.81	34.170		26.18	184	184	.0000
10	11.32	34.180								10	11.32	34.180		26.10	192	192	.0188
20	11.25	34.190								20	11.25	34.190		26.12	190	190	.0380

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
30	11.25	34.190								30	11.25	34.190		26.12	190	190	.0571
50	11.38	34.180								50	11.38	34.180		26.09	193	194	.0956
75	11.22	34.190								75	11.22	34.180		26.12	190	192	.1439
100	11.10	34.170								100	11.10	34.170		26.13	189	191	.1918
125	10.15	34.120								125	10.15	34.120		26.26	177	179	.2382
150	9.50	34.090								150	9.50	34.090		26.35	169	171	.2821
195	8.25	34.040															

KOREA ,JI RI SAN , STATION 103-09 , 36-303. N, 130-373. E, APR.18.1979, 02.50 KST, DEPTH 2150 , COLOR , TRANS.

WAVE 1, SWELL 1, WIND S 3, BARO 1023. , AIR TEMP. DRY 7.5, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	10.42	34.170								0	10.42	34.170		26.25	177	177	.0000
10	11.32	34.160								10	11.32	34.160		26.08	193	193	.0186
20	11.30	34.170								20	11.30	34.170		26.09	192	193	.0379
30	11.32	34.160								30	11.32	34.160		26.08	193	194	.0573
50	11.40	34.170								50	11.40	34.170		26.08	194	195	.0963
75	11.37	34.160								75	11.37	34.160		26.07	194	196	.1452
100	11.25	34.150								100	11.25	34.150		26.09	193	195	.1942
125	10.38	34.140								125	10.38	34.140		26.24	179	181	.2413
150	10.14	34.130								150	10.14	34.130		26.27	176	179	.2865
200	10.09	34.110								200	10.09	34.110		26.26	176	180	.3764
250	10.05	34.130								250	10.05	34.130		26.28	174	179	.4665
300	8.82	34.080								300	8.82	34.080		26.45	159	164	.5525
400	6.38	33.950								400	6.38	33.950		26.70	135	140	.7053
500	2.42	33.820															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3 N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D T	SVA	D-DY

KOREA ,JI PI SAN , STATION 103-10 , 36-30S. N, 130-00. E, APR.18.1979, 01.00 KST, DEPTH 1800 , COLOR , TRANS. ,

WAVE 1, SWELL 1, WIND SW 3, BARO 1023. , AIR TEMP. DRY 3.0, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	10.70	34.290	0	10.70	34.290	26.30	173	173	.0000
10	11.38	34.240	10	11.3.	34.240	26.13	189	189	.0181
20	11.70	34.240	20	11.70	34.240	26.08	194	194	.0373
30	11.75	34.240	30	11.75	34.240	26.07	195	196	.0569
50	11.68	34.230	50	11.68	34.230	26.07	195	195	.0961
75	11.95	34.230	75	11.95	34.230	26.02	199	201	.1457
100	10.80	34.150	100	10.80	34.150	26.17	185	187	.1944
125	10.55	34.140	125	10.55	34.140	26.21	182	184	.2409
150	10.36	34.140	150	10.36	34.140	26.24	179	182	.2868
200	10.09	34.150	200	10.09	34.150	26.29	174	177	.3767
250	10.00	34.130	250	10.00	34.130	26.29	174	178	.4659
300	9.96	34.120	300	9.96	34.120	26.29	174	179	.5556
400	5.07	34.070	400	5.07	34.070	26.95	111	115	.7033
500	1.15	33.930							

KOREA ,JI PI SAN , STATION 103-11 , 36-30S. N, 131-14O. E, APR.17.1979, 23.05 KST, DEPTH 2100 , COLOR , TRANS.

WAVE 1, SWELL 1, WIND N 2, BARO 1022. , AIR TEMP. DRY 3.5, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	11.43	34.190	0	11.43	34.190	26.09	193	193	.0000
10	11.51	34.220	10	11.51	34.220	26.10	192	192	.0193
20	11.70	34.210	20	11.70	34.210	26.05	196	197	.0388
			30	11.72	34.210	26.05	197	197	.0585

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
75	11.19	34.160								75	11.19	34.160		26.11	191	193	.1468
100	11.05	34.160								100	11.05	34.160		26.13	189	191	.1948
125	10.95	34.130								125	10.95	34.130		26.13	189	192	.2428
150	10.45	34.130								150	10.45	34.130		26.22	181	184	.2898
200	10.15	34.140								200	10.15	34.140		26.28	175	179	.3808
250	10.00	34.140								250	10.00	34.140		26.30	173	178	.4702
300	9.20	34.090								300	9.20	34.090		26.39	164	169	.5572
400	5.00	33.910								400	5.00	33.910		26.83	122	126	.7054
500	1.70	33.840															

5 월 (May)

KOREA ,JI RI SAN , STATION 103-04 , 36-303. N, 129-301. E, MAY.13.1979, 09.10 KST, DEPTH 110 , COLOR 3, TRANS. 11. ,

WAVE 1, SWELL 1, WIND SE 2, BARO 1014.5, AIR TEMP. DRY 15.5, WET , CLOUD. TYPE NS, AMT 9, WEATHER C ,

0	14.69	34.180								0	14.69	34.180		25.43	256	256	.0000
10	14.72	34.140								10	14.72	34.140		25.39	259	259	.0258
20	14.32	34.190								20	14.32	34.190		25.51	248	248	.0512
30	14.15	34.230								30	14.15	34.230		25.58	241	242	.0757
50	13.45	34.220								50	13.45	34.220		25.72	228	229	.1229
75	12.99	34.430								75	12.99	34.430		25.97	204	206	.1774
100	7.61	34.210															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,JI RI SAN , STATION 103-05 , 36-303. N, 129-354. E, MAY.13.1979, 08.55 KST, DEPTH 205 , COLOR 3, TRANS. 10. ,

WAVE 1, SWELL 1, WIND SE 2, BARO 1015. , AIR TEMP. DRY 15.5, WET , CLOUD. TYPE NS, AMT 9, WEATHER C ,

0	14.99	34.310	0	14.99	34.310	25.46	253	252	.0000
10	14.72	34.300	10	14.72	34.300	25.51	248	248	.0250
20	14.60	34.170	20	14.60	34.170	25.44	255	255	.0502
30	14.31	34.360	30	14.31	34.360	25.65	235	235	.0748
50	13.79	34.300	50	13.79	34.300	25.71	229	230	.1215
75	12.07	34.390	75	12.07	34.390	26.12	190	191	.1743
100	10.31	34.280	100	10.31	34.280	26.36	168	169	.2195
125	9.32	34.290	125	9.32	34.290	26.53	151	153	.2599
150	8.03	34.140	150	8.03	34.140	26.62	143	145	.2973
200	2.59	******							

KOREA ,JI RI SAN , STATION 103-06 , 36-303. N, 129-473. E, MAY.13.1979, 07.00 KST, DEPTH 235 , COLOR 3, TRANS. 9. ,

WAVE 1, SWELL 1, WIND SE 2, BARO 1015. , AIR TEMP. DRY 15.0, WET . , CLOUD. TYPE NS, AMT 9, WEATHER C ,

0	14.72	34.430	0	14.72	34.430	25.61	238	238	.0000
10	14.71	34.450	10	14.71	34.450	25.63	237	237	.0238
20	14.70	34.410	20	14.70	34.410	25.60	239	240	.0476
30	14.61	34.440	30	14.61	34.440	25.64	235	236	.0714

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
50	12.15	34.400								50	12.15	34.400		26.11	191	191	.1143
75	11.90	34.350								75	11.90	34.350		26.12	190	191	.1622
100	11.03	34.230								100	11.03	34.280		26.23	180	182	.2089
125	9.68	34.230								125	9.68	34.230		26.42	161	163	.2522
150	8.19	34.160								150	8.19	34.160		26.61	144	146	.2909
200	4.91	34.050								200	4.91	34.050		26.95	111	113	.3559
230	2.28	******															

KOREA ,JI RI SAN , STATION 103-07 , 36-303. N, 130-000. E, MAY.13.1979, 05.30 KST, DEPTH 850 , COLOR , TRANS.

WAVE 1, SWELL 1, WIND SE 2, BARO 1015. , AIR TEMP. DRY 14.5, WET . , CLOUD. TYPE , AMT , WEATHER BC,

0	14.50	34.430								0	14.50	34.430		25.66	234	233	.0000
10	14.71	34.410								10	14.71	34.410		25.60	239	239	.0237
20	14.12	34.430								20	14.12	34.430		25.74	226	226	.0470
30	13.45	34.380								30	13.45	34.380		25.84	216	217	.0692
50	11.89	34.470								50	11.89	34.470		26.22	181	182	.1092
75	11.08	34.170								75	11.08	34.170		26.13	189	190	.1556
100	10.54	34.310								100	10.54	34.310		26.34	169	171	.2010
125	9.23	34.250								125	9.23	34.250		26.51	153	155	.2418
150	8.41	34.220								150	8.44	34.220		26.62	142	145	.2774
200	7.04	34.290								200	7.04	34.290		26.88	118	121	.3461
250	4.25	34.110								250	4.25	34.110		27.07	99	101	.4020
300	1.83	33.900															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D T	S A	D DY
0	14.34	34.430								0	14.34	34.430		25.69	230	230	.0000
10	14.58	34.490								10	14.58	34.490		25.69	231	231	.0231
20	14.42	34.470								20	14.42	34.470		25.71	229	229	.0462
30	13.98	34.510								30	13.98	34.510		25.83	217	218	.0686
50	13.30	34.410								50	13.30	34.410		25.89	211	212	.1117
75	12.72	34.470								75	12.72	34.470		26.06	196	198	.1631
100	11.39	34.370								100	11.39	34.370		26.23	179	181	.2105
125	10.29	34.270								125	10.29	34.270		26.35	168	170	.2546
150	9.40	34.210								150	9.40	34.210		26.46	158	161	.2961
195	6.95	34.130															

KOREA ,JI RI SAN , STATION 103-03 , 36-303. N, 130-186. E, MAY.13.1979, 03.35 KST, DEPTH 198 , COLOR , TRANS.

WAVE 1, SWELL 1, WIND SE 2, BARO 1015. , AIR TEMP. DRY 14.3, WET . , CLOUD. TYPE , AMT , WEATHER BC,

KOREA ,JI RI SAN , STATION 103-09 , 36-303. N, 130-373. E, MAY.13.1979, 01.30 KST, DEPTH 2150 , COLOR , TRANS.

WAVE 2, SWELL 1, WIND SE 2, BARO 1017. , AIR TEMP. DRY 14.4, WET . , CLOUD. TYPE , AMT , WEATHER BC,

0	14.82	34.450	0	14.82	34.450	25.61	239	239	.0000
10	14.60	34.480	10	14.60	34.480	25.68	232	232	.0236
20	13.56	34.420	20	13.56	34.420	25.85	216	216	.0460
30	12.25	34.380	30	12.25	34.380	26.08	194	194	.0666

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
50	11.46	34.360								50	11.46	34.360		26.21	181	182	.1045
75	11.20	34.340								75	11.20	34.340		26.25	178	180	.1496
100	10.75	34.340								100	10.75	34.340		26.33	170	172	.1937
125	10.08	34.280								125	10.08	34.280		26.40	164	166	.2362
150	9.90	34.280								150	9.90	34.280		26.43	161	164	.2775
200	8.54	34.110								200	8.54	34.110		26.51	153	156	.3576
250	4.49	34.110								250	4.49	34.110		27.05	102	104	.4228
300	1.75	34.000															

KOREA ,JI RI SAN , STATION 103-10 , 36-303. N, 130-556. E, MAY.12.1979, 23.40 KST, DEPTH 1800 , COLOR , TRANS. . ,

WAVE 2, SWELL 1, WIND SE 3, BARO 1017. , AIR TEMP. DRY 14.3, WET . , CLOUD. TYPE , AMT , WEATHER BC,

0	14.71	34.500								0	14.71	34.500		25.67	233	233	.0000
10	14.71	34.470								10	14.71	34.470		25.65	235	235	.0234
20	13.79	34.500								20	13.79	34.500		25.86	214	215	.0460
30	13.72	34.490								30	13.72	34.490		25.87	214	214	.0675
50	12.19	34.380								50	12.19	34.380		26.09	193	194	.1085
75	11.17	34.350								75	11.17	34.350		26.26	177	178	.1550
100	10.42	34.290								100	10.42	34.290		26.35	169	170	.1987
125	9.49	34.240								125	9.49	34.240		26.46	157	159	.2400
150	8.43	34.170								150	8.43	34.170		26.58	146	149	.2787
200	4.69	34.020								200	4.69	34.020		26.96	111	112	.3445
250	1.89	33.960								250	1.89	33.960		27.17	90	91	.3953
300	1.07	******															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

6 월 (June)

KOREA ,JI RI SAN , STATION 103-04 , 36-303. N, 129-301. E, JUN.18.1979, 08.30 KST, DEPTH 110 , COLOR 3, TRANS. 8. ,

WAVE 1, SWELL 1, WIND SW 3, BARO 1014. , AIR TEMP. DRY 19.3, WET . , CLOUD. TYPE , AMT , WEATHER R ,

0	17.50	34.[illegible]							0	17.50	34.[illegible]	24.67	323	328	.0000
10	14.00	34.190							10	14.00	34.190	25.58	241	241	.0285
20	12.17	34.230							20	12.17	34.230	25.98	203	204	.0508
30	6.41	34.140							30	6.41	34.140	26.84	121	122	.0671
50	3.59	34.000							50	3.59	34.000	27.05	101	101	.0895
75	3.51	34.000							75	3.51	34.000	27.06	101	101	.1149
100	2.70	33.970													

KOREA ,JI RI SAN , STATION 103-05 , 36-303. N, 129-354. E, JUN.18.1979, 09.20 KST, DEPTH 205 , COLOR 3, TRANS. 11. ,

WAVE 1, SWELL 1, WIND SW 3, BARO 1014. , AIR TEMP. DRY 19.7, WET . , CLOUD. TYPE , AMT , WEATHER C ,

0	17.53	33.950							0	17.53	33.950	24.60	334	334	.0000
10	14.57	34.170							10	14.57	34.170	25.44	254	254	.0295
20	14.24	34.260							20	14.24	34.260	25.58	241	241	.0543
30	11.98	34.180							30	11.98	34.180	25.98	204	204	.0766
50	10.10	34.180							50	10.10	34.180	26.32	171	172	.1143
75	6.83	34.120							75	6.83	34.120	26.77	128	129	.1521
100	4.80	34.060							100	4.80	34.060	26.98	109	110	.1820
125	4.71	33.970							125	4.71	33.970	26.91	115	116	.2103
150	2.60	33.980							150	2.60	33.980	27.13	94	95	.2367

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,JI RI SAN , STATION 103-06 , 36-303. N, 129-473. E, JUN.18.1979, 10.50 KST, DEPTH 235 , COLOR 3, TRANS. 8. ,

WAVE 1, SWELL 1, WIND SW 3, BARO 1014. , AIR TEMP. DRY 19.3, WET . , CLOUD. TYPE NS, AMT 9, WEATHER C ,

0	16.85	33.990		0	16.85	33.990		24.79	316	316	.0000
10	16.61	33.920		10	16.61	33.920		24.80	316	316	.0316
20	15.14	34.030		20	15.14	34.030		25.21	276	276	.0613
30	14.70	34.320		30	14.70	34.320		25.53	246	246	.0879
50	14.25	34.330		50	14.25	34.330		25.64	236	237	.1359
75	12.86	34.340		75	12.86	34.340		25.93	208	210	.1919
100	9.63	34.280		100	9.63	34.280		26.47	157	158	.2380
125	7.55	34.180		125	7.55	34.180		26.72	133	135	.2748
150	4.90	34.060		150	4.90	34.060		26.96	110	111	.3057
200	3.97	33.990		200	3.97	33.990		27.01	106	107	.3605
230	3.20	34.030									

KOREA ,JI RI SAN , STATION 103-07 , 36-303. N, 130-000. E, JUN.18.1979, 12.20 KST, DEPTH 850 , COLOR 4, TRANS. 12. ,

WAVE 1, SWELL 1, WIND SW 3, BARO 1012. , AIR TEMP. DRY 20.3, WET . , CLOUD. TYPE NS, AMT 8, WEATHER C ,

0	18.20	33.870		0	18.20	33.870		24.38	356	355	.0000
10	18.00	33.910		10	18.00	33.910		24.46	348	348	.0352
20	17.93	33.910		20	17.93	33.910		24.48	346	347	.0700
30	17.30	33.940		30	17.30	33.940		24.65	330	330	.1039
50	15.00	34.280		50	15.00	34.280		25.44	255	256	.1627

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
75	14.60	34.270								75	14.60	34.270		25.52	247	249	.2259
100	14.37	34.270								100	14.37	34.270		25.56	243	245	.2879
125	12.75	34.330								125	12.75	34.330		25.94	207	210	.3448
150	10.10	34.220								150	10.10	34.220		26.35	169	171	.3926
200	4.44	34.000								200	4.44	34.000		26.97	110	111	.4634
250	2.30	33.980								250	2.30	33.980		27.15	92	93	.5147
300	1.37	33.990								300	1.37	33.990		27.23	85	85	.5593
400	.90	33.950								400	.90	33.950		27.23	85	85	.6446
500	.72	33.970															

KOREA ,JI RI SAN , STATION 103-03 , 36-303. N, 130-186. E, JUN.19.1979, 12.00 KST, DEPTH 198 , COLOR 3, TRANS. 17.

WAVE 1, SWELL 1, WIND SW 3, BARO 1010. , AIR TEMP. DRY 21.8, WET . , CLOUD. TYPE , AMT , WEATHER BC,

0	19.45	34.010								0	19.45	34.010		24.17	375	375	.0000
10	19.35	33.970								10	19.35	33.970		24.17	376	376	.0376
20	16.37	34.370								20	16.37	34.370		25.20	278	278	.0704
30	15.21	34.380								30	15.21	34.380		25.47	252	253	.0969
50	14.94	34.380								50	14.94	34.380		25.53	246	247	.1470
75	13.58	34.400								75	13.58	34.400		25.83	218	219	.2055
100	11.77	34.360								100	11.77	34.360		26.16	187	189	.2566
125	10.56	34.160								125	10.56	34.160		26.22	181	183	.3032
150	9.61	34.190								150	9.61	34.190		26.41	163	166	.3469
200	7.39	34.100															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	19.62	34.330								0	19.62	34.330		24.37	356	356	.0000
10	19.40	34.290								10	19.40	34.290		24.40	334	354	.0356
20	18.88	34.300								20	18.88	34.300		24.54	341	341	.0703
30	15.21	34.340								30	15.21	34.340		25.44	255	255	.1002
50	14.79	34.360								50	14.79	34.360		25.54	245	246	.1505
75	13.34	34.390								75	13.34	34.390		25.87	214	215	.2082
100	12.31	34.330								100	12.31	34.330		26.03	199	201	.2603
125	11.50	34.350								125	11.50	34.350		26.20	183	185	.3087
150	10.96	34.250								150	10.96	34.250		26.22	181	184	.3549
200	9.30	34.180								200	9.30	34.180		26.45	159	162	.4417
250	5.85	34.050								250	5.85	34.050		26.84	121	124	.5136
300	2.28	33.920								300	2.28	33.920		27.11	96	97	.5692
400	1.08	33.930								400	1.08	33.930		27.20	87	87	.6621
500	.68	33.970															

KOREA ,JI RI SAN , STATION 103-09 , 36-303. N, 130-373. E, JUN.19.1979, 13.50 KST, DEPTH 2150 , COLOR 3, TRANS. 16. ,

WAVE 1, SWELL 1, WIND S 3, BARO 1009. , AIR TEMP. DRY 21.9, WET . , CLOUD. TYPE , AMT , WEATHER BC,

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	19.62	34.330								0	19.62	34.330		24.37	356	356	.0000
10	19.40	34.290								10	19.40	34.290		24.40	334	354	.0356
20	18.88	34.300								20	18.88	34.300		24.54	341	341	.0703
30	15.21	34.340								30	15.21	34.340		25.44	255	255	.1002
50	14.79	34.360								50	14.79	34.360		25.54	245	246	.1505
75	13.34	34.390								75	13.34	34.390		25.87	214	215	.2082
100	12.31	34.330								100	12.31	34.330		26.03	199	201	.2603
125	11.50	34.350								125	11.50	34.350		26.20	183	185	.3087
150	10.96	34.250								150	10.96	34.250		26.22	181	184	.3549
200	9.30	34.180								200	9.30	34.180		26.45	159	162	.4417
250	5.85	34.050								250	5.85	34.050		26.84	121	124	.5136
300	2.28	33.920								300	2.28	33.920		27.11	96	97	.5692
400	1.08	33.930								400	1.08	33.930		27.20	87	87	.6621
500	.68	33.970															

KOREA ,JI RI SAN , STATION 103-10 , 36-303. N, 130-556. E, JUN.19.1979, 15.50 KST, DEPTH 1800 , COLOR 3, TRANS. 15. ,

WAVE 1, SWELL 1, WIND S 2, BARO 1009. , AIR TEMP. DRY 21.6, WET . , CLOUD. TYPE , AMT 8, WEATHER C ,

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	18.90	34.270								0	18.90	34.270		24.51	343	343	.0000
10	18.00	34.290								10	18.00	34.290		24.75	320	320	.0332
20	17.64	34.310								20	17.64	34.310		24.85	311	311	.0648
30	14.80	34.320								30	14.80	34.320		25.51	248	248	.0929
50	13.84	34.400								50	13.84	34.400		25.78	223	224	.1402

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
75	12.45	34.360								75	12.45	34.360		26.02	199	201	.1933
100	11.49	34.300								100	11.49	34.300		26.16	186	188	.2420
125	11.04	34.310								125	11.04	34.310		26.25	178	180	.2882
150	10.69	34.330								150	10.69	34.330		26.33	170	173	.3324
200	8.81	34.160								200	8.81	34.160		26.51	153	156	.4150
250	4.99	34.020								250	4.99	34.020		26.92	114	116	.4934
300	2.20	33.960								300	2.20	33.960		27.15	93	94	.5361
400	1.12	33.940								400	1.12	33.940		27.21	87	87	.6269
500	.71	33.930															
KOREA ,JI RI SAN , STATION 103-11 , 36-303. N, 131-140. E, JUN.19.1979, 17.45 KST, DEPTH 2100 , COLOR 3, TRANS. 15. ,																	
WAVE 1, SWELL 1, WIND S 2, BARO 1009. , AIR TEMP. DRY 21.5, WET . , CLOUD. TYPE , AMT 9, WEATHER C ,																	
0	19.50	34.270								0	19.50	34.270		24.36	358	358	.0000
10	19.21	34.260								10	19.21	34.260		24.42	351	351	.0355
20	17.50	34.290								20	17.50	34.290		24.87	309	309	.0686
30	15.30	34.350								30	15.30	34.350		25.42	256	257	.0969
50	13.10	34.370								50	13.10	34.370		25.90	210	211	.1438
75	11.51	34.320								75	11.51	34.320		26.17	185	186	.1937
100	10.60	34.270								100	10.60	34.270		26.30	173	175	.2390
12	10.39	34.220								125	10.39	34.220		26.30	173	176	.2829
150	8.88	34.150								150	8.88	34.150		26.49	155	157	.3246
200	5.95	34.030								200	5.95	34.030		26.81	124	126	.3958
250	2.40	33.930								250	2.40	33.930		27.11	96	97	.4519
300	2.45	33.890								300	2.45	33.890		27.07	100	101	.5017
400	.90	33.950								400	.90	33.950		27.23	85	85	.5951
500	.75	******															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

8 월 (August)

KOREA ,JI RI SAN , STATION 103-04 , 36-303. N, 129-301. E, AUG.11.1979, 00.40 KST, DEPTH 110 , COLOR , TRANS. , ,

WAVE 1, SWELL 1, WIND SW 1, BARO 1009. , AIR TEMP. DRY 24.7, WET . , CLOUD. TYPE , AMT , WEATHER 8 ,

0	24.45	32.780								0	24.45	32.780		21.85	597	597	.0000
10	16.20	33.790								10	16.20	33.790		24.79	316	316	.0457
20	15.00	34.190								20	15.00	34.190		25.37	262	262	.0746
30	14.85	34.290								30	14.85	34.290		25.48	251	252	.1004
50	10.60	34.290								50	10.60	34.290		26.31	172	172	.1429
75	7.22	34.200								75	7.22	34.200		26.78	127	128	.1806
100	4.50	34.090															

KOREA ,JI RI SAN , STATION 103-05 , 36-303. N, 129-354. E, AUG.11.1979, 01.30 KST, DEPTH 205 , COLOR , TRANS. , ,

WAVE 1, SWELL 1, WIND SW 1, BARO 1009. , AIR TEMP. DRY 24.7, WET . , CLOUD. TYPE , AMT , WEATHER 8 ,

0	23.22	33.130								0	23.22	33.130		22.48	537	537	.0000
10	19.62	33.410								10	19.62	33.410		23.67	423	423	.0481
20	15.10	34.200								20	15.10	34.200		25.35	263	263	.0824
30	14.06	34.420								30	14.06	34.420		25.75	226	226	.1069
50	13.04	34.330								50	13.04	34.330		25.89	212	213	.1510
75	8.06	34.230								75	8.06	34.230		26.68	137	138	.1950
100	6.01	34.140								100	6.01	34.140		26.89	117	118	.2270
125	3.56	34.070								125	3.56	34.070		27.11	96	96	.2539
150	2.43	34.030								150	2.43	34.030		27.18	89	90	.2772
200	2.22	34.020															

OBSERVED									INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA T	D T	SVA	D-DY
0	23.20	33.380								0	23.20	33.380		22.67	519	518	.0000
10	21.28	33.410								10	21.28	33.410		23.23	465	465	.0492
20	18.80	33.660								20	18.80	33.660		24.07	385	385	.0918
30	14.53	34.330								30	14.53	34.330		25.58	242	242	.1232
50	14.45	34.340								50	14.45	34.340		25.60	239	240	.1716
75	11.03	34.290								75	11.03	34.290		26.24	179	180	.2243
100	7.15	34.190								100	7.15	34.190		26.78	127	128	.2630
125	5.52	34.110								125	5.52	34.110		26.93	113	114	.2935
150	3.72	34.070								150	3.72	34.070		27.10	97	98	.3201
200	2.30	34.020								200	2.30	34.020		27.19	89	89	.3673
230	1.11	34.020															

KOREA ,JI RI SAN , STATION 103-06 , 36-303. N, 129-473. E, AUG.11.1979, 03.00 KST, DEPTH 235 , COLOR , TRANS. . ,

WAVE 1, SWELL 1, WIND SW 2, BARO 1009. , AIR TEMP. DRY 24.5, WET . , CLOUD. TYPE , AMT , WEATHER B ,

KOREA ,JI RI SAN , STATION 103-07 , 36-303. N, 130-000. E, AUG.11.1979, 04.30 KST, DEPTH 850 , COLOR , TRANS. . ,

WAVE 1, SWELL 1, WIND SW 1, BARO 1009. , AIR TEMP. DRY 23.8, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	24.45	32.490								0	24.45	32.490		21.63	618	618	.0000
10	18.90	33.160								10	18.90	33.160		23.66	424	424	.0521
20	15.95	33.830								20	15.95	33.830		24.88	308	308	.0888
30	15.81	34.260								30	15.81	34.260		25.24	274	274	.1179
50	15.42	34.410								50	15.42	34.410		25.44	254	255	.1710

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
75	9.98	34.370								75	9.98	34.370		26.48	155	157	.2226
100	8.01	34.240								100	8.01	34.240		26.70	135	137	.2594
125	6.87	34.170								125	6.87	34.170		26.80	125	127	.2925
150	4.92	34.100								150	4.92	34.100		26.99	107	108	.3220
200	4.20	34.050								200	4.20	34.050		27.03	103	105	.3755
250	2.68	34.130								250	2.68	34.130		27.24	84	85	.4232
300	.85	34.020								300	.85	34.020		27.29	79	79	.4644
400	.62	34.010								400	.62	34.010		27.30	79	78	.5435
500	.52	34.040															

KOREA ,JI RI SAN , STATION 103-08 , 36-303. N, 130-186. E, AUG.11.1979, 06.35 KST, DEPTH 198 , COLOR 3, TRANS. 20. ,

WAVE 1, SWELL 1, WIND W 2, BARO 1010. , AIR TEMP. DRY 26.2, WET . , CLOUD. TYPE AC, AMT 2, WEATHER B ,

0	25.40	32.550								0	25.40	32.550		21.39	641	641	.0000
10	19.78	34.000								10	19.78	34.000		24.08	384	384	.0513
20	16.12	34.270								20	16.12	34.270		25.18	280	280	.0846
30	15.52	34.430								30	15.52	34.430		25.44	255	255	.1114
50	15.30	34.450								50	15.30	34.450		25.50	249	250	.1620
75	11.86	34.330								75	11.86	34.330		26.11	190	192	.2174
100	9.98	34.310								100	9.98	34.310		26.44	160	162	.2617
125	7.90	34.260								125	7.90	34.260		26.73	132	134	.2988
150	6.50	34.170								150	6.50	34.170		26.85	120	122	.3309
195	3.21	34.060															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,JI RI SAN , STATION 103-09 , 36-303. N, 130-373. E, AUG.11.1979, 08.30 KST, DEPTH 2150 , COLOR 3, TRANS. 22. ,

WAVE 1, SWELL 1, WIND W 2, BARO 1010. , AIR TEMP. DRY 27.1, WET . , CLOUD. TYPE AC, AMT 2, WEATHER 8 ,

0	25.85	32.410								0	25.85	32.410		21.15	664	664	.0000
10	20.60	33.220								10	20.60	33.220		23.27	461	461	.0563
20	19.27	33.590								20	19.27	33.590		23.90	402	402	.0995
30	17.04	33.920								30	17.04	33.920		24.70	325	326	.1360
50	16.12	34.080								50	16.12	34.080		25.03	293	294	.1981
75	15.21	34.380								75	15.21	34.380		25.47	252	254	.2668
100	11.01	34.400								100	11.01	34.400		26.33	170	172	.3202
125	10.20	34.320								125	10.20	34.320		26.41	163	165	.3625
150	9.30	34.270								150	9.30	34.270		26.52	152	155	.4026
200	5.83	34.170								200	5.83	34.170		26.94	112	114	.4701
250	2.49	34.010								250	2.49	34.010		27.16	91	92	.5220
300	1.29	34.000								300	1.29	34.000		27.24	83	84	.5661
400	.69	34.040								400	.69	34.040		27.32	77	76	.6467
500	.59	34.020															

KOREA ,JI RI SAN , STATION 103-10 , 36-303. N, 130-556. E, AUG.11.1979, 10.30 KST, DEPTH 1800 , COLOR 3, TRANS. 26. ,

WAVE 1, SWELL 1, WIND W 2, BARO 1009. , AIR TEMP. DRY 27.2, WET . , CLOUD. TYPE AC, AMT 4, WEATHER BC,

0	25.52	33.130								0	25.52	33.130		21.79	603	602	.0000
10	24.43	33.570								10	24.43	33.570		22.46	539	539	.0571
20	23.89	33.570								20	23.89	33.570		22.61	524	524	.1104
30	19.10	33.480								30	19.10	33.480		23.86	405	406	.1569

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D T	SVA	D-DY
75	15.05	34.380								75	15.05	34.380		25.50	249	250	.2992
100	10.61	34.370								100	10.61	34.370		26.37	166	168	.3516
125	10.29	34.340								125	10.29	34.340		26.41	163	165	.3933
150	9.91	34.320								150	9.91	34.320		26.46	158	161	.4342
200	6.79	34.130								200	6.79	34.130		26.78	127	130	.5071
250	3.43	34.040								250	3.43	34.040		27.10	97	98	.5643
300	1.82	34.000								300	1.82	34.000		27.21	87	88	.6110
400	.90	34.010								400	.90	34.010		27.28	80	80	.6954
500	.63	34.020															

KOREA ,JI RI SAN , STATION 103-11 , 36-303. N, 131-140. E, AUG.11.1979, 12.25 KST, DEPTH 2100 , COLOR 3, TRANS. 24. ,

WAVE 1, SWELL 1, WIND SW , BARO 1008.5, AIR TEMP. DRY 28.9, WET . , CLOUD. TYPE AC, AMT 5, WEATHER BC,

0	25.65	33.670								0	25.65	33.670		22.16	567	567	.0000
10	24.10	33.720								10	24.10	33.720		22.67	519	519	.0544
20	24.00	33.740								20	24.00	33.740		22.71	515	515	.1061
30	22.32	33.880								30	22.32	33.880		23.30	459	459	.1549
50	17.30	34.290								50	17.30	34.290		24.92	304	306	.2315
75	14.35	34.430								75	14.35	34.430		25.69	231	232	.2988
100	10.13	34.320								100	10.13	34.320		26.42	162	163	.3484
125	7.50	34.200								125	7.50	34.200		26.74	131	133	.3856
150	5.70	34.130								150	5.70	34.130		26.92	114	115	.4167
200	3.35	34.060								200	3.35	34.060		27.13	95	96	.4697
250	1.50	34.050								250	1.50	34.050		27.27	81	81	.5142
300	.96	34.040								300	.96	34.040		27.30	78	78	.5543
400	.83	34.030								400	.83	34.030		27.30	78	78	.6330
500	.61	34.020															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

10 월 (October)

KOREA ,JI RI SAN , STATION 103-04 , 36-303. N, 12o-301. E, OCT.15.1979, 10.20 KST, DEPTH 110 , COLOR 2, TRANS. 16. ,

WAVE 1, SWELL 1, WIND N 2, BARO 1024. , AIR TEMP. DRY 23.7, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	20.90	33.100								0	20.90	33.100		23.10	478	478	.0000
10	20.75	33.030								10	20.75	33.030		23.09	479	479	.0479
20	17.01	33.660								20	17.01	33.660		24.50	344	344	.0891
30	12.01	34.000								30	12.01	34.000		25.83	217	218	.1172
50	8.59	34.130								50	8.59	34.130		26.52	152	152	.1543
75	5.23	34.150								75	5.23	34.150		27.00	107	107	.1869
100	2.21	34.020															

KOREA ,JI RI SAN , STATION 103-05 , 36-303. N, 129-354. E, OCT.15.1979, 09.25 KST, DEPTH 205 , COLOR 2, TRANS. 15. ,

WAVE 1, SWELL 1, WIND N 2, BARO 1024. , AIR TEMP. DRY 23.0, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	20.62	33.480								0	20.62	33.480		23.46	443	443	.0000
10	20.65	33.600								10	20.65	33.600		23.54	435	435	.0440
20	20.30	33.470								20	20.30	33.470		23.54	436	436	.0876
3	13.89	33.910								30	13.89	33.910		25.39	260	260	.1224
50	11.01	34.330								50	11.01	34.330		26.27	176	176	.1662
75	9.97	34.180								75	9.97	34.180		26.34	169	171	.2097
100	7.35	34.090								100	7.35	34.090		26.67	137	139	.2484
125	5.90	34.150								125	5.90	34.150		26.92	114	116	.2804
150	3.80	34.020								150	3.80	34.020		27.05	102	103	.3078
200	2.40	34.200															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,JI RI SAN , STATION 103-06 , 36-303. N, 129-473. E, OCT.15.1979, 08.05 KST, DEPTH 235 , COLOR 3, TRANS. 16. ,

WAVE 1, SWELL 1, WIND NW 2, BARO 1023.5, AIR TEMP. DRY 23.0, WET . , CLOUD. TYPE CI, AMT 3, WEATHER BC,

0	21.78	33.360								0	21.78	33.360		23.06	482	482	.0000
10	21.76	33.320								10	21.76	33.320		23.03	484	484	.0483
20	21.48	33.350								20	21.48	33.350		23.13	475	475	.0964
30	21.21	33.560								30	21.21	33.560		23.36	452	453	.1428
50	21.00	33.630								50	21.00	33.630		23.47	442	443	.2326
75	17.05	33.630								75	17.05	33.630		24.47	347	349	.3317
100	15.32	34.200								100	15.32	34.200		25.30	268	270	.4091
125	13.88	34.340								125	13.88	34.340		25.72	228	231	.4718
150	13.51	34.310								150	13.51	34.310		25.77	223	226	.5291
200	11.92	34.010								200	11.92	34.010		25.86	215	219	.6408
230	9.31	34.100															

KOREA ,JI RI SAN , STATION 103-07 , 36-303. N, 130-000. E, OCT.15.1979, 06.35 KST, DEPTH 850 , COLOR 2, TRANS. 16. ,

WAVE 1, SWELL 1, WIND N 2, BARO 1023. , AIR TEMP. DRY 20.0, WET . , CLOUD. TYPE CU, AMT 3, WEATHER BC,

0	21.75	33.320								0	21.75	33.320		23.03	484	484	.0000
10	21.80	33.290								10	21.80	33.290		23.00	487	487	.0486
20	21.04	33.420								20	21.06	33.420		23.30	458	459	.0960
30	21.02	33.450								30	21.02	33.450		23.33	456	456	.1417
50	20.78	34.180								50	20.78	34.180		23.95	397	398	.2272

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	INTERPOLATED DEPTH	TEMP	SAL	O2	CALCULATED SIGMA-T	D-T	SVA	D-DY
75	15.61	34.150								75	15.61	34.150		25.20	277	279	.5120
100	12.32	34.180								100	12.32	34.180		25.91	210	212	.3735
125	10.91	34.260								125	10.91	34.260		26.24	179	181	.4228
150	3.50	34.260								150	3.50	34.260		27.27	81	82	.1538
200	3.35	34.060								200	3.35	34.060		27.13	95	96	.5004
250	2.21	33.960								250	2.21	33.960		27.14	93	93	.5180
300	2.20	33.920								300	2.20	33.920		27.11	96	97	.5958
400	.98	33.910								400	.98	33.910		27.19	88	88	.6887
500	.66	34.290															

KOREA ,JI RI SAN , STATION 103-08 , 36-303. N, 130-186. E, OCT.15.1979, 04.40 KST, DEPTH 198 , COLOR , TRANS. .

WAVE 1, SWELL 1, WIND NE 2, BARO 1022. , AIR TEMP. DRY 20.2, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	22.65	33.760								0	22.65	33.760		23.12	476	476	.0000
10	22.70	33.730								10	22.70	33.730		23.08	480	480	.0478
20	22.70	33.720								20	22.70	33.720		23.07	480	481	.0959
30	22.65	33.710								30	22.65	33.710		23.08	480	48	.1440
50	22.52	33.730								50	22.52	33.730		23.13	475	476	.2398
75	20.03	34.020								75	20.03	34.020		24.03	389	391	.3483
100	16.98	34.020								100	16.98	34.020		24.79	317	319	.4372
125	15.75	34.300								125	15.75	34.300		25.29	269	273	.5114
150	12.35	34.340								150	12.35	34.340		26.03	199	202	.5708
195	9.45	34.300															

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	CALCULATED SIGMA-T	D-T	SVA	D-DY

KOREA ,JI RI SAN , STATION 103-09 , 36-303. N, 130-373. E, OCT.15.1979, 02.40 KST, DEPTH 2150 , COLOR , TRANS. . ,

WAVE 1, SWELL 1, WIND NE 2, BARO 1022. , AIR TEMP. DRY 19.7, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	20.80	33.390								0	20.80	33.390		23.34	454	454	.0000
10	21.12	33.670								10	21.12	33.670		23.47	442	442	.0449
20	21.50	33.510								20	21.50	33.510		23.25	464	464	.0902
30	21.00	33.390								30	21.00	33.390		23.29	459	460	.1365
50	20.28	33.670								50	20.28	33.670		23.70	421	422	.2248
75	16.72	34.210								75	16.72	34.210		24.99	297	299	.3150
100	16.25	34.290								100	16.25	34.290		25.16	281	283	.3880
125	16.13	33.900								125	16.13	33.900		24.89	307	310	.4623
150	16.05	33.590								150	16.05	33.590		24.67	328	331	.5426
200	15.26	33.860								200	15.26	33.860		25.06	291	296	.6997
250	9.46	34.220								250	9.46	34.220		26.45	158	163	.8148
300	1.65	34.280								300	1.65	34.280		27.44	64	65	.8720
400	.98	34.120								400	.98	34.120		27.36	72	72	.9413
500	.65	34.120															

KOREA ,JI RI SAN , STATION 103-10 , 36-303. N, 130-556. E, OCT.15.1979, 00.45 KST, DEPTH 1800 , COLOR , TRANS. .

WAVE 1, SWELL 1, WIND NW 3, BARO 1022.5, AIR TEMP. DRY 19.8, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	20.43	33.160								0	20.43	33.160		23.27	462	461	.0000
10	20.42	33.040								10	20.42	33.040		23.18	470	470	.0466
20	20.47	33.310								20	20.47	33.310		23.37	452	452	.0928
30	20.47	33.510								30	20.47	33.510		23.52	437	438	.1373
50	17.15	34.010								50	17.15	34.010		24.74	321	322	.2134

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D T	SVA	D-D
75	15.12	34.240								75	15.12	34.240		25.38	260	262	.2866
100	13.62	34.260								100	13.62	34.260		25.71	229	231	.3484
125	11.54	34.270								125	11.54	34.270		26.13	189	192	.4013
150	10.72	34.380								150	10.72	34.380		26.36	167	170	.4467
200	9.65	34.200								200	9.65	34.200		26.41	163	166	.5310
250	7.72	34.150								250	7.72	34.150		26.67	138	142	.6083
300	4.20	34.030								300	4.20	34.030		27.02	105	107	.6708
400	.95	34.030								400	.95	34.030		27.29	79	79	.7645
500	.69	34.030															

KOREA ,JI RI SAN , STATION 103-11 , 36-303. N, 131-140. E, OCT.14.1979, 22.45 KST, DEPTH 2100 , COLOR , TRANS. ,

WAVE 1, SWELL 1, WIND NW 3, BARO 1022.5, AIR TEMP. DRY 20.0, WET , CLOUD. TYPE , AMT , WEATHER ,

0	20.42	33.580								0	20.42	33.580		23.59	431	431	.0000
10	20.46	33.640								10	20.46	33.640		23.63	427	428	.0430
20	20.46	33.790								20	20.46	33.790		23.74	417	417	.0852
30	19.80	33.870								30	19.80	33.870		23.97	394	395	.1259
50	17.89	33.950								50	17.89	33.950		24.52	343	344	.1998
75	15.49	33.940								75	15.49	33.940		25.07	290	292	.2794
100	12.48	34.280								100	12.48	34.280		25.96	205	208	.3420
125	10.98	34.270								125	10.98	34.270		26.23	179	182	.3908
150	10.42	34.290								150	10.42	34.290		26.35	169	171	.4351
200	8.70	34.260								200	8.70	34.260		26.61	144	147	.5150
250	6.89	34.140								250	6.89	34.140		26.78	128	131	.5848
300	3.14	34.060								300	3.14	34.060		27.14	93	94	.6414
400	1.33	33.991															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

12 월 (December)

KOREA ,동 RI SAN , STATION 103-04 , 36-303. N, 129-301. E, DEC.13.1979, 07.10 KST, DEPTH 110 , COLOR , TRANS. . .

WAVE 3, SWELL 2, WIND SW 4, BARO 1025. , AIR TEMP. DRY 6.9, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	15.85	34.250						0	15.85	34.250	25.22	275	275	.0000
10	15.99	34.210						10	15.99	34.210	25.16	281	281	.0278
20	16.00	34.290						20	16.00	34.290	25.22	275	276	.0557
30	15.10	34.230						30	15.10	34.230	25.38	261	261	.0826
50	15.00	34.220						50	15.00	34.220	25.39	259	260	.1349
75	12.10	34.470						75	12.10	34.470	26.18	185	186	.1968
100	8.50	34.400												

KOREA ,JI RI SAN , STATION 103-05 , 36-303. N, 129-354. E, DEC.13.1979, 06.15 KST, DEPTH 205 , COLOR , TRANS. . .

WAVE 2, SWELL 3, WIND NW 3, BARO 1025. , AIR TEMP. DRY 8.5, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	15.37	34.260						0	15.37	34.260	25.34	264	264	.0000
10	16.10	34.220						10	16.10	34.220	25.14	283	283	.0274
20	16.00	34.200						20	16.00	34.200	25.15	282	282	.0547
30	15.00	34.220						30	15.00	34.220	25.39	259	260	.0820
50	14.65	34.290						50	14.65	34.290	25.52	247	248	.1361
75	14.51	34.220						75	14.51	34.220	25.50	249	250	.1902
100	14.23	34.250						100	14.23	34.250	25.58	241	244	.2582
125	13.21	34.480						125	13.21	34.480	25.97	205	207	.3147
150	11.13	34.490						150	11.13	34.490	26.37	166	169	.3619
200	7.40	34.390												

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL P	NO2-N	[illegible]	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,JI RI SAN , STATION 103-06 , 36-303. N, 129-473. E, DEC.13.1979, 04.50 KST, DEPTH 235 , COLOR , TRANS. , ,

WAVE 2, SWELL 3, WIND NW 3, BARO 1025. , AIR TEMP. DRY 9.3, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	15.10	34.200		0	15.10	34.200	25.35	263	263	.0000
10	15.19	34.180		10	15.19	34.180	25.32	266	266	.0265
20	15.28	34.180		20	15.28	34.180	25.30	268	268	.0533
30	15.00	34.420		30	15.00	34.420	25.54	245	245	.0790
50	14.18	34.450		50	14.18	34.450	25.74	226	227	.1263
75	13.66	34.310		75	13.66	34.310	25.74	226	227	.1832
100	12.63	******		100	12.63	******	*****	***	***	******
125	10.28	34.390		125	10.28	34.390	26.45	159	161	******
150	9.12	34.130		150	9.12	34.130	26.44	160	162	******
200	8.43	34.220		200	8.43	34.220	26.62	143	146	******
230	4.50	34.130								

KOREA ,JI RI SAN , STATION 103-07 , 36-303. N, 130-000. E, DEC.13.1979, 03.20 KST, DEPTH 850 , COLOR , TRANS. , ,

WAVE 3, SWELL 3, WIND NW 4, BARO 1025. , AIR TEMP. DRY 9.4, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	15.50	34.220		0	15.50	34.220	25.28	270	270	.0000
10	15.60	34.220		10	15.60	34.220	25.26	272	272	.0271
20	15.83	34.190		20	15.83	34.190	25.18	279	279	.0547
30	14.85	34.190		30	14.85	34.190	25.40	258	259	.0817
50	14.65	34.200		50	14.65	34.200	25.45	254	255	.1332

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D.T.	SVA	D-DY
75	13.37	34.450								75	13.37	34.450		25.91	210	211	.1916
100	10.50	34.360								100	10.50	34.360		26.39	165	167	.2389
125	9.75	34.360								125	9.75	34.360		26.51	153	155	.2792
150	7.65	34.260								150	7.65	34.260		26.77	129	131	.3151
200	5.33	34.210								200	5.33	34.210		27.03	103	105	.3744
250	3.30	34.170								250	3.30	34.170		27.22	86	87	.4229
300	1.80	34.130								300	1.80	34.130		27.31	77	78	.4643
400	1.20	34.100								400	1.20	34.100		27.33	75	76	.5414
500	.80	34.100															

KOREA ,JI RI SAN , STATION 103-08 , 36-303. N, 130-186. E, DEC.13.1979, 01.25 KST, DEPTH 198 , COLOR , TRANS. . ,

WAVE 3, SWELL 2, WIND NE 4, BARO 1025. , AIR TEMP. DRY 9.4, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	15.83	34.240								0	15.83	34.240		25.22	275	275	.0000
10	15.93	34.150								10	15.93	34.150		25.13	284	284	.0280
20	15.73	34.210								20	15.73	34.210		25.22	275	276	.0561
30	15.63	34.190								30	15.63	34.190		25.23	275	275	.0837
50	15.48	34.230								50	15.48	34.230		25.29	269	270	.1383
75	14.00	34.470								75	14.00	34.470		25.80	221	222	.1999
100	11.20	34.450								100	11.20	34.450		26.33	170	172	.2493
125	10.40	34.460								125	10.40	34.460		26.48	156	158	.2907
150	9.80	34.450								150	9.80	34.450		26.58	147	149	.3293
195	8.50	34.360															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	Sv.t	D-DY

KOREA ,JI RI SAN , STATION 103-09 , 36-303. N, 1[illegible]-373. E, DEC.12.1979, 23.25 KST, DEPTH 2150 , COLOR , TRANS. , ,

WAVE 1, SWELL 2, WIND NE 2, BARO 1025. , AIR TEMP. DRY 9.1, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	16.00	34.220	0	16.00	34.220	25.17	281	280	.0000
10	16.14	34.240	10	16.14	34.240	25.15	282	282	.0282
20	16.30	34.230	20	16.30	34.230	25.11	286	287	.0567
30	16.00	34.230	30	16.00	34.230	25.17	280	280	.0851
50	15.20	34.130	50	15.20	34.180	25.32	268	268	.1399
75	14.77	34.220	75	14.77	34.220	25.44	255	256	.2056
100	13.85	34.490	100	13.85	34.490	25.84	216	217	.2651
125	10.30	34.470	125	10.30	34.470	26.51	156	156	.3120
150	9.95	34.420	150	9.95	34.420	26.53	151	154	.3508
200	8.57	34.350	200	8.57	34.350	26.70	135	139	.4242
250	4.70	34.220	250	4.70	34.220	27.11	96	98	.4836
300	1.72	34.170	300	1.72	34.170	27.35	73	74	.5269
400	1.05	34.150	400	1.05	34.150	27.38	70	71	.5997
500	.80	34.140							

KOREA ,JI RI SAN , STATION 103-10 , 36-303. N, 130-556. E, DEC.12.1979, 21.30 KST, DEPTH 1800 , COLOR , TRANS. , ,

WAVE 1, SWELL 1, WIND NE 3, BARO 1025. , AIR TEMP. DRY 9.1, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	16.02	34.240	0	16.02	34.240	25.18	280	279	.0000
10	16.35	34.220	10	16.35	34.220	25.09	288	288	.0284
20	16.05	34.220	20	16.05	34.220	25.16	282	282	.0570
30	15.00	34.180	30	15.00	34.180	25.36	261	261	.0855

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
75	13.16	34.500								75	13.16	34.500		25.99	202	204	.1945
100	10.96	34.490								100	10.96	34.490		26.41	163	165	.2406
125	10.25	34.450								125	10.25	34.450		26.50	154	156	.2809
150	10.06	34.450								150	10.06	34.450		26.53	151	154	.3198
200	9.20	34.360								200	9.20	34.360		26.61	144	147	.3953
250	7.45	34.320								250	7.45	34.320		26.84	122	125	.4638
300	3.77	34.190								300	3.77	34.190		27.19	89	91	.5181
400	1.86	34.130								400	1.86	34.130		27.31	77	78	.6032
500	1.00	34 130															

KOREA ,JI RI SAN , STATION 103-11 , 36-303. N, 131-140. E, DEC.12.1979, 19.30 KST, DEPTH 2100 , COLOR , TRANS. . ,

WAVE 1, SWELL 2, WIND NE 2, BARO 1025. , AIR TEMP. DRY 8.5, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	16.21	34.060								0	16.21	34.060		25.00	297	296	.0000
10	16.50	34.220								10	16.50	34.220		25.05	291	291	.0294
20	16.55	34.220								20	16.55	34.220		25.04	293	293	.0587
30	16.48	34.240								30	16.48	34.240		25.07	290	290	.0879
50	16.55	34.240								50	16.55	34.240		25.06	291	292	.1463
75	16.02	34.260								75	16.02	34.260		25.19	278	280	.2179
100	15.16	34.350								100	15.16	34.350		25.46	253	256	.2850
125	10.40	34.460								125	10.40	34.460		26.48	156	158	.3368
150	10.06	34.430								150	10.06	34.430		26.52	152	155	.3761
200	8.37	34.360								200	8.37	34.360		26.74	132	135	.4488
250	6.08	34.260								250	6.08	34.260		26.98	108	111	.5107
300	2.22	34.130								300	2.22	34.130		27.28	80	81	.5590
400	1.21	34.090								400	1.21	34.090		27.32	76	76	.6382
500	.82	34.110															

102 선 해 양 관 측 성 적
OCEANOGRAPHIC DATA, LINE 102

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
2 월 (February)																	
KOREA ,JI RI SAN , STATION 102-04 , 36-046. N, 129-369. E, FEB.14.1979, 00.05 KST, DEPTH 52 , COLOR , TRANS. . ,																	
WAVE 4, SWELL 1, WIND SW 5, BARO 1015. , AIR TEMP. DRY 10.7, WET . , CLOUD. TYPE , AMT , WEATHER BC,																	
0	13.52	34.620								0	13.52	34.620		26.01	200	200	.0000
10	13.78	34.640								10	13.78	34.640		25.97	204	204	.0202
20	13.75	34.640								20	13.75	34.640		25.98	203	204	.0407
30	13.26	33.990								30	13.26	33.990		25.58	241	242	.0630
50	12.61	34.560															
KOREA ,JI RI SAN , STATION 102-05 , 36-046. N, 129-413. E, FEB.13.1979, 23.20 KST, DEPTH 210 , COLOR , TRANS. .																	
WAVE 4, SWELL 1, WIND S 6, BARO 1016. , AIR TEMP. DRY 12.1, WET . , CLOUD. TYPE , AMT , WEATHER BC,																	
0	14.04	34.590								0	14.04	34.590		25.88	213	212	.0000
10	14.12	34.600								10	14.12	34.600		25.87	214	214	.0213
20	14.21	34.510								20	14.21	34.510		25.78	222	222	.0432
30	14.32	34.600								30	14.32	34.600		25.83	218	218	.0655
50	14.00	34.650								50	14.00	34.650		25.94	208	209	.1080
75	13.99	34.660								75	13.99	34.660		25.95	207	208	.1603
100	11.65	34.460								100	11.65	34.460		26.26	177	179	.2088
125	5.14	34.460								125	5.14	34.460		27.25	83	84	.2418
150	2.12	34.640								150	2.12	34.640		27.70	41	41	.2575

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA T	D-T	SVA	D-DY
KOREA ,JI RI SAN , STATION 102-06 , 36-046. N, 129-478. E, FEB.13.1979, 22.25 KST, DEPTH 700 , COLOR , TRANS. . . ,																	
WAVE 4, SWELL 1, WIND S 6, BARO 1017. , AIR TEMP. DRY 10.5, WET . , CLOUD. TYPE , AMT , WEATHER BC,																	
0	13.65	34.570								0	13.65	34.570		25.95	206	206	.0000
10	13.65	34.170								10	13.65	34.170		25.64	236	236	.0221
20	13.67	34.120								20	13.67	34.120		25.60	240	240	.0460
30	13.70	34.040								30	13.70	34.040		25.53	246	247	.0704
50	13.62	34.010								50	13.62	34.010		25.52	247	248	.1200
75	12.91	34.130								75	12.91	34.130		25.76	225	226	.1793
100	12.81	34.110								100	12.81	34.110		25.76	224	226	.2360
125	12.71	34.460								125	12.71	34.460		26.05	197	199	.2893
150	7.84	34.260								150	7.84	34.260		26.74	131	134	.3411
200	3.89	34.080								200	3.89	34.080		27.09	98	99	.3908
250	2.35	34.060								250	2.35	34.060		27.21	86	87	.4365
300	1.36	34.020								300	1.36	34.020		27.26	82	83	.4791
400	.92	34.010								400	.92	34.010		27.28	80	80	.5611
500	.70	33.990															
KOREA ,JI RI SAN , STATION 102-07 , 36-046. N, 130-000. E, FEB.13.1979, 20.55 KST, DEPTH 1390 , COLOR , TRANS. . ,																	
WAVE 3, SWELL 1, WIND SE 4, BARO 1017. , AIR TEMP. DRY 11.6, WET . , CLOUD. TYPE , AMT , WEATHER BC,																	
0	13.64	34.610								0	13.64	34.610		25.98	203	203	.0000
10	13.83	34.540								10	13.83	34.540		25.89	212	212	.0208
20	13.85	34.600								20	13.85	34.600		25.93	208	208	.0419
30	13.87	34.440								30	13.87	34.440		25.80	220	221	.0634
50	13.89	34.200								50	13.89	34.200		25.61	238	239	.1095

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D T	SVA	D DY
75	13.54	34.560								75	13.54	34.560		25.96	205	207	.1654
100	13.40	34.470								100	13.40	34.470		25.92	209	211	.2178
125	13.35	34.630								125	13.35	34.630		26.05	196	199	.2692
150	13.30	34.540								150	13.30	34.540		26.00	202	205	.3199
200	9.21	34.580								200	9.21	34.580		26.78	128	131	.4043
250	2.01	34.120								250	2.01	34.120		27.29	79	80	.4774
300	1.89	34.480								300	1.89	34.480		27.59	51	52	.4906
400	.92	33.990								400	.92	33.990		27.26	82	82	.5579
500	.64	34.050															

KOREA ,JI RI SAN , STATION 102-08 , 36-046. N, 130-184. E, FEB.13.1979, 19.00 KST, DEPTH 1530 , COLOR , TRANS. . ,

WAVE 3, SWELL 1, WIND SE 4, BARO 1017. , AIR TEMP. DPY 11.5, WET . , CLOUD. TYPE , AMT , WEATHER BC,

0	13.37	34.540								0	13.37	34.540		25.98	203	203	.0000
10	13.45	34.600								10	13.45	34.600		26.01	200	200	.0202
20	13.50	34.600								20	13.50	34.600		26.00	201	202	.0404
30	13.34	34.540								30	13.34	34.540		25.99	203	203	.0606
50	13.00	34.550								50	13.00	34.550		26.06	195	196	.1007
75	12.83	34.510								75	12.83	34.510		26.07	195	197	.1499
100	12.83	34.490								100	12.83	34.490		26.05	197	199	.1995
125	12.80	34.490								125	12.80	34.490		26.06	196	199	.2493
150	12.77	34.480								150	12.77	34.480		26.06	196	200	.2992
200	8.30	34.240								200	8.30	34.240		26.65	139	143	.3850
250	1.70	34.030								250	1.70	34.030		27.24	84	84	.4420
300	1.17	34.020								300	1.17	34.020		27.27	81	81	.4836
400	.70	34.030															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	13.07	34.520								0	13.07	34.520		26.03	199	199	.0000
10	13.10	34.150								10	13.10	34.150		25.73	227	227	.0213
20	13.10	34.180								20	13.10	34.180		25.76	224	225	.0439
30	13.12	34.040								30	13.12	34.040		25.65	235	236	.0670
50	13.14	34.140								50	13.14	34.140		25.72	228	229	.1135
75	13.02	34.060								75	13.02	34.060		25.68	232	233	.1715
100	12.80	34.160								100	12.80	34.160		25.80	220	222	.2286
125	12.67	34.460								125	12.67	34.460		26.06	196	199	.2813
150	12.61	34.460								150	12.61	34.460		26.07	195	198	.3310
200	5.28	34.090								200	5.28	34.090		26.94	112	114	.4092
250	3.08	33.980								250	3.08	33.980		27.09	98	100	.4628
300	2.38	34.030								300	2.38	34.030		27.19	89	90	.5104
400	1.69	34.040								400	1.69	34.040		27.25	83	84	.5977
500	1.23	34.000															

KOREA ,JI RI SAN , STATION 102-09 , 36-046. N, 130-369. E, FEB.13.1979, 17.00 KST, DEPTH 1880 , COLOR 3, TRANS. 16. ,

WAVE 4, SWELL 1, WIND S 4, BARO 1017. , AIR TEMP. DRY 12.2, WET . , CLOUD. TYPE AC, AMT 2, WEATHER B ,

KOREA ,JI RI SAN , STATION 102-10 , 36-046. N, 130-551. E, FEB.13.1979, 15.05 KST, DEPTH 1440 , COLOR 3, TRANS. 17. ,

WAVE 3, SWELL 1, WIND S 4, BARO 1018. , AIR TEMP. DRY 13.8, WET . , CLOUD. TYPE AC, AMT 2, WEATHER B ,

0	12.10	34.170								0	12.10	34.170		25.95	207	206	.0000
10	12.45	34.170								10	12.45	34.170		25.88	213	213	.0210
20	12.40	34.130								20	12.40	34.130		25.86	215	215	.0425
30	12.30	34.140								30	12.30	34.140		25.88	212	213	.0639
50	12.05	34.000								50	12.05	34.000		25.82	218	219	.1072

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
75	11.85	33.930								75	11.85	33.930		25.81	220	221	.1624
100	11.54	34.360								100	11.54	34.360		26.20	183	185	.2132
125	11.08	34.260								125	11.08	34.260		26.20	182	184	.2595
150	10.50	34.230								150	10.50	34.230		26.32	171	174	.3044
200	9.70	34.200								200	9.70	34.200		26.40	164	167	.3899
250	9.32	34.220								250	9.32	34.220		26.48	156	161	.4722
300	7.34	34.150								300	7.34	34.150		26.72	133	137	.5469
400	4.21	34.070								400	4.21	34.070		27.05	102	105	.6686
500	1.90	33.820															

KOREA ,JI RI SAN , STATION 102-11 , 36-046. N, 131-136. E, FEB.13.1979, 13.10 KST, DEPTH 1780 , COLOR 3, TRANS. 16. ,

WAVE 3, SWELL 1, WIND SW 4, BARO 1013.5, AIR TEMP. DRY 13.4, WET . , CLOUD. TYPE AC, AMT 8, WEATHER C ,

0	12.24	34.270								0	12.24	34.270		26.00	202	201	.0000
10	12.80	34.250								10	12.80	34.250		25.87	214	214	.0208
20	12.75	34.200								20	12.75	34.200		25.84	216	217	.0424
30	12.42	34.120								30	12.42	34.120		25.85	216	217	.0641
50	12.25	34.020								50	12.25	34.020		25.80	220	221	.1079
75	12.05	34.140								75	12.05	34.140		25.93	208	209	.1619
100	12.00	34.330								100	12.00	34.330		26.09	193	195	.2126
125	12.00	34.290								125	12.00	34.290		26.06	196	199	.2619
150	11.12	34.300								150	11.12	34.300		26.23	180	183	.3097
200	11.13	34.250								200	11.13	34.250		26.19	184	188	.4025
250	9.60	34.220								250	9.60	34.220		26.43	161	165	.4910
300	7.05	34.160								300	7.05	34.160		26.77	128	132	.5656

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

3 월 (March)

KOREA ,JI RI SAN , STATION 102-04 , 36-046. N, 129-369. E, MAR.21.1979, 11.20 KST, DEPTH 52 , COLOR 4, TRANS. 12. ,

WAVE 1, SWELL 2, WIND NE 2, BARO 1023. , AIR TEMP. DRY 13.2, WET . , CLOUD. TYPE , AMT , WEATHER 8 ,

0	13.18	34.330							0	13.18	34.330	25.86	215	215	.0000
10	12.90	34.410							10	12.90	34.410	25.98	204	204	.0210
20	12.00	34.330							20	12.00	34.330	26.09	193	193	.0409
30	11.38	34.290							30	11.38	34.290	26.17	185	185	.0598
50	10.50	34.240													

KOREA ,JI RI SAN , STATION 102-05 , 36-046. N, 129-413. E, MAR.21.1979, 12.00 KST, DEPTH 210 , COLOR 3, TRANS. 18. ,

WAVE 1, SWELL 2, WIND NE 2, BARO 1023. , AIR TEMP. DRY 13.3, WET . , CLOUD. TYPE , AMT , WEATHER 8 ,

0	13.62	34.370							0	13.62	34.370	25.80	221	220	.0000
10	13.59	34.380							10	13.59	34.380	25.81	219	219	.0220
20	13.51	34.370							20	13.51	34.370	25.82	218	219	.0440
30	13.67	34.380							30	13.67	34.380	25.80	221	221	.0660
50	12.72	34.330							50	12.72	34.330	25.95	206	207	.1090
75	7.92	34.140							75	7.92	34.140	26.63	141	142	.1528
100	2.82	33.910							100	2.82	33.910	27.05	101	102	.1834
125	1.51	33.830							125	1.51	33.830	27.09	98	98	.2084
150	1.29	33.860							150	1.29	33.860	27.13	94	94	.2325
200	1.25	33.910													

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	14.20	34.370								0	14.20	34.370		25.68	232	232	.0000
10	14.21	34.400								10	14.21	34.400		25.70	230	230	.0231
20	14.25	34.260								20	14.25	34.260		25.58	241	241	.0468
30	14.28	34.080								30	14.28	34.080		25.44	255	255	.0716
50	14.30	33.860								50	14.30	33.860		25.26	271	272	.1245
75	14.29	34.370								75	14.29	34.370		25.66	234	236	.1881
100	13.72	34.400								100	13.72	34.400		25.80	220	223	.2455
125	13.19	34.360								125	13.19	34.360		25.88	213	216	.3005
150	10.14	34.240								150	10.14	34.240		26.35	168	171	.3489
200	5.21	34.020								200	5.21	34.020		26.90	116	118	.4213
250	1.79	33.840								250	1.79	33.840		27.08	99	99	.4759
300	1.15	33.850															

KOREA ,JI RI SAN , STATION 102-06 , 36-046. N, 129-478. E, MAR.21.1979, 13.00 KST, DEPTH 700 , COLOR 3, TRANS. 18. ,

WAVE 1, SWELL 2, WIND NE 2, BARO 1020. , AIR TEMP. DRY 13.4, WET . , CLOUD. TYPE , AMT , WEATHER B ,

KOREA ,JI RI SAN , STATION 102-07 , 36-046. N, 130-000. E, MAR.21.1979, 14.20 KST, DEPTH 1390 , COLOR 3, TRANS. 19. ,

WAVE 1, SWELL 2, WIND NE 2, BARO 1020. , AIR TEMP. DRY 13.3, WET . , CLOUD. TYPE AC, AMT 3, WEATHER BC,

0	13.16	34.370								0	13.16	34.370		25.89	212	211	.0000
10	13.70	34.370								10	13.70	34.370		25.78	222	222	.0217
20	14.00	34.270								20	14.00	34.270		25.64	235	236	.0447
30	14.20	34.010								30	14.20	34.010		25.40	258	259	.0694

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
50	14.17	34.000								50	14.17	34.000		25.40	259	260	.1214
75	14.15	34.370								75	14.15	34.370		25.69	231	233	.1830
100	13.82	34.430								100	13.82	34.430		25.80	220	222	.2401
125	13.20	33.870								125	13.20	33.870		25.50	249	252	.2995
150	11.21	34.240								150	11.21	34.240		26.17	186	189	.3547
200	5.21	34.130								200	5.21	34.130		26.98	108	110	.4296
250	3.60	33.870								250	3.60	33.870		26.95	111	113	.4855
300	1.21	******															

KOREA ,JI RI SAN , STATION 102-08 , 36-046. N, 130-184. E, MAR.21.1979, 16.20 KST, DEPTH 1530 , COLOR 3, TRANS. 19. ,

WAVE 1, SWELL 2, WIND NE 2, BARO 1020. , AIR TEMP. DRY 12.8, WET . , CLOUD. TYPE AC, AMT 2, WEATHER 8 ,

0	12.02	34.260								0	12.02	34.260		26.03	199	198	.0000
10	10.67	34.200								10	10.67	34.200		26.23	179	179	.0189
20	9.95	34.140								20	9.95	34.140		26.31	172	172	.0365
30	8.56	34.030								30	8.56	34.030		26.45	159	159	.0532
50	5.57	33.930								50	5.57	33.930		26.78	127	127	.0819
75	4.41	33.860								75	4.41	33.860		26.86	120	120	.1130
100	3.15	33.820								100	3.15	33.820		26.95	111	111	.1420
125	2.37	34.090								125	2.37	34.090		27.24	84	84	.1666
150	2.12	33.180								150	2.12	33.180		26.53	151	151	.1962
200	1.92	34.010								200	1.92	34.010		27.21	87	87	.2561
250	1.23	33.930								250	1.23	33.930		27.19	88	88	.3092
300	1.12	33.830															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA ,JI RI SAN , STATION 102-09 , 36-046. N, 130-369. E, MAR.21.1979, 18.10 KST, DEPTH 1880 , COLOR , TRANS. , ,																	
WAVE 1, SWELL 2, WIND SE 2, BARO 1019. , AIR TEMP. DRY 10.4, WET . , CLOUD. TYPE , AMT , WEATHER B ,																	
0	12.14	34.370								0	12.14	34.370		26.09	193	193	.0000
10	12.12	34.940								10	12.12	34.940		26.54	150	150	.0172
20	12.10	34.030								20	12.10	34.030		25.84	217	217	.0356
30	11.97	33.980								30	11.97	33.980		25.82	218	219	.0574
50	11.51	33.890								50	11.51	33.890		25.84	217	218	.1011
75	10.42	34.130								75	10.42	34.130		26.22	180	182	.1512
100	9.80	34.100								100	9.80	34.100		26.30	173	174	.1958
125	8.72	34.020								125	8.72	34.020		26.42	162	164	.2382
150	6.61	33.950								150	6.61	33.950		26.67	138	140	.2763
200	3.31	33.860								200	3.31	33.860		26.97	109	110	.3391
250	2.52	33.820								250	2.52	33.820		27.01	106	107	.3936
300	1.33	33.810															
KOREA ,JI RI SAN , STATION 102-10 , 36-046. N, 130-551. E, MAR.21.1979, 20.10 KST, DEPTH 1440 , COLOR , TRANS. , ,																	
WAVE 2, SWELL 2, WIND SE 3, BARO 1020. , AIR TEMP. DRY 10.5, WET . , CLOUD. TYPE , AMT , WEATHER B ,																	
0	11.85	34.370								0	11.85	34.370		26.15	187	187	.0000
10	11.95	34.280								10	11.95	34.280		26.06	196	196	.0192
20	11.90	34.320								20	11.90	34.320		26.10	192	192	.0386
30	11.85	34.330								30	11.85	34.330		26.12	190	191	.0578

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D DY
50	11.85	34.360								50	11.85	34.360		26.14	188	189	.0959
75	11.68	34.310								75	11.68	34.310		26.13	189	190	.1434
100	11.12	34.230								100	11.12	34.230		26.17	185	187	.1906
125	11.10	34.130								125	11.10	34.130		26.10	192	194	.2384
150	9.18	34.050								150	9.18	34.050		26.37	167	169	.2840
200	6.42	33.910								200	6.42	33.910		26.66	139	141	.3618
250	4.00	33.850								250	4.00	33.850		26.89	116	118	.4269
300	1.80	33.840															

4 월 (April,)

KOREA ,JI RI SAN , STATION 102-04 , 36-046. N, 129-369. E, APR.17.1979, 09.50 KST, DEPTH 52 , COLOR 5, TRANS. 8. ,

WAVE 1, SWELL 1, WIND NW 2, BARO 1022. , AIR TEMP. DRY 14.1, WET . , CLOUD. TYPE AC, AMT 4, WEATHER BC,

0	12.61	34.230	0	12.61	34.230	25.89	212	211	.0000
10	12.40	34.250	10	12.40	34.250	25.95	206	206	.0209
20	12.25	34.250	20	12.25	34.250	25.98	203	204	.0415
30	12.21	34.220	30	12.21	34.220	25.96	205	205	.0620
50	10.40	34.150							

KOREA ,JI RI SAN , STATION 102-05 , 36-046. N, 129-413. E, APR.17.1979, 10.25 KST, DEPTH 210 , COLOR 4, TRANS. 8. ,

WAVE 1, SWELL 2, WIND N 2 BARO 1022. , AIR TEMP. DRY 13.5, WET . , CLOUD, TYPE AC, AMT 3, WEATHER B ,

0	13.70	34.330	0	13.70	34.330	25.75	225	225	.0000
10	13.68	******	10	13.68	******	*****	***	***	******
20	13.20	34.310	20	13.20	34.310	25.84	217	217	******
30	13.02	34.320	30	13.02	34.320	25.88	213	213	******
50	12.70	34.270	50	12.70	34.270	25.91	210	211	******
75	8.45	34.120	75	8.45	34.120	26.54	150	152	******
100	4.80	33.960	100	4.80	33.960	26.90	116	117	******
125	2.41	33.890	125	2.41	33.890	27.07	100	100	******
150	1.40	33.840	150	1.40	33.840	27.11	96	96	******
205	1.20	33.820							

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,JI RI SAN , STATION 102-06 , 36-046. N, 129-478. E, APR.17.1979, 11.15 KST, DEPTH 700 , COLOR 3, TRANS. 16. ,																	
WAVE 1, SWELL 2, WIND N 2, BARO 1022. , AIR TEMP. DRY 13.5, WET . , CLOUD. TYPE AC, AMT 3, WEATHER B ,																	
0	13.68	34.330								0	13.68	34.330		25.76	225	224	.0000
10	13.90	34.360								10	13.90	34.360		25.73	227	227	.0226
20	14.10	34.360								20	14.10	34.360		25.69	231	231	.0455
30	14.05	34.360								30	14.05	34.360		25.70	230	230	.0687
50	13.96	34.360								50	13.96	34.360		25.72	228	229	.1147
75	12.88	34.320								75	12.88	34.320		25.91	210	212	.1699
100	9.34	34.170								100	9.34	34.170		26.43	160	162	.2167
125	7.92	34.110								125	7.92	34.110		26.61	144	145	.2552
150	3.51	33.930								150	3.51	33.930		27.01	106	107	.2868
200	1.54	33.840								200	1.54	33.840		27.10	97	97	.3381
250	1.45	33.830								250	1.45	33.830		27.10	97	97	.3870
300	.80	33.870								300	.80	33.870		27.17	90	90	.4341
400	.55	33.820								400	.55	33.820		27.15	93	92	.5257
500	.48	33.820															
KOREA ,JI RI SAN , STATION 102-07 , 36-046. N, 130-000. E, APR.17.1979, 12.35 KST, DEPTH 1390 , COLOR 3, TRANS. 17. ,																	
WAVE 1, SWELL 2, WIND NE 2, BARO 1022. , AIR TEMP. DRY 14.3, WET . , CLOUD. TYPE , AMT , WEATHER B ,																	
0	13.34	34.330								0	13.34	34.330		25.82	218	218	.0000
10	13.02	34.360								10	13.02	34.360		25.91	210	210	.0214
20	13.89	34.370								20	13.89	34.370		25.74	226	226	.0433
30	13.81	34.360								30	13.81	34.360		25.75	225	225	.0659
50	13.86	34.360								50	13.86	34.360		25.74	226	226	.1103

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D DY
75	13.75	34.360								75	13.75	34.360		25.76	224	225	.1679
100	13.46	34.370								100	13.46	34.370		25.83	217	220	.2237
125	13.39	34.360								125	13.39	34.360		25.84	217	220	.2787
150	12.32	34.310								150	12.32	34.310		26.01	200	204	.3317
200	8.80	34.110								200	8.80	34.110		26.47	156	160	.4228
250	8.39	33.930								250	8.39	33.930		26.40	164	168	.5050
300	2.59	33.850								300	2.59	33.850		27.03	104	105	.5735
400	1.29	33.840								400	1.29	33.840		27.12	95	96	.6745
500	.86	33.810															

KOREA ,JI RI SAN , STATION 102-08 , 36-046. N, 130-184. E, APR.17.1979, 14.30 KST, DEPTH 153[illegible] , [illegible] 3, TRANS. 18. ,

WAVE 1, SWELL 2, WIND NE 2, BARO 1021. , AIR TEMP. DRY 14.0, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	12.12	34.290								0	12.12	34.290		26.03	198	198	.0000
10	12.15	34.310								10	12.15	34.310		26.04	197	197	.0198
20	12.05	34.310								20	12.05	34.310		26.06	195	196	.0395
30	11.96	34.290								30	11.96	34.290		26.06	195	196	.0591
50	11.90	34.290								50	11.90	34.290		26.08	194	195	.0983
75	11.86	34.280								75	11.86	34.280		26.08	194	196	.1472
100	10.90	34.180								100	10.90	34.180		26.18	185	187	.1951
125	10.25	34.150								125	10.25	34.150		26.27	176	178	.2409
150	9.15	34.080								150	9.15	34.080		26.39	164	166	.2841
200	7.27	33.990								200	7.27	33.990		26.61	144	146	.3626
250	5.42	33.910								250	5.42	33.910		26.78	127	129	.4316
300	2.90	33.830								300	2.90	33.830		26.98	108	109	.4916
400	1.79	33.800								400	1.79	33.800		27.05	102	103	.5984
500	1.10	33.810															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,JI RI SAN , STATION 102-09 , 36- 45. N, 130-349. E, APR.17.1979, 16.20 KST, DEPTH 1830 , COLOR 3, TRANS. 12. ,

WAVE 1, SWELL 2, WIND N 2, BARO 1021. , AIR TEMP. DRY 10.0, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	9.88	34.170								0	9.88	34.170		26.34	169	168	.0000
10	10.42	34.170								10	10.42	34.170		26.25	177	177	.0173
20	10.35	34.170								20	10.35	34.170		26.26	176	176	.0351
30	10.40	34.170								30	10.40	34.170		26.26	177	177	.0528
50	10.24	34.150								50	10.24	34.150		26.27	176	177	.0883
75	9.32	34.090								75	9.32	34.090		26.37	166	167	.1314
100	9.25	34.060								100	9.25	34.060		26.36	167	169	.1735
125	8.80	34.090								125	8.80	34.090		26.46	158	160	.2147
150	8.55	34.060								150	8.55	34.060		26.47	156	159	.2546
200	7.42	34.010								200	7.42	34.010		26.60	144	147	.3313
250	5.62	33.910								250	5.62	33.910		26.76	129	132	.4015
300	4.76	33.910								300	4.76	33.910		26.86	120	122	.4651
400	3.15	33.820								400	3.15	33.820		26.95	111	113	.5834
500	1.72	33.810															

KOREA ,JI RI SAN , STATION 102-10 , 36-046. N, 130-551. E, APR.17.1979, 18.15 KST, DEPTH 1440 , COLOR 2, TRANS. 11. ,

WAVE 2, SWELL 2, WIND N 4, BARO 1021.1, AIR TEMP. DRY 9.8, WET . , CLOUD. TYPE AC, AMT 4, WEATHER BC,

0	11.30	34.210								0	11.30	34.210		26.13	189	189	.0000
10	11.10	34.200								10	11.10	34.200		26.15	187	187	.0188
20	10.80	34.200								20	10.80	34.200		26.21	182	182	.0373
30	10.69	34.190								30	10.69	34.180		26.21	181	182	.0555

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
75	8.15	34.020								75	8.15	34.020		26.50	154	155	.1299
100	7.11	33.980								100	7.11	33.980		26.62	142	144	.1673
125	6.44	33.970								125	6.44	33.970		26.70	135	136	.2024
150	4.14	33.860								150	4.14	33.860		26.89	117	118	.2342
200	3.05	33.820								200	3.05	33.820		26.96	110	111	.2918
250	1.94	33.820								250	1.94	33.820		27.05	101	102	.3452
300	1.04	33.800								300	1.04	33.800		27.10	97	97	.3952
400	.75	33.810								400	.75	33.810		27.13	94	94	.4913
500	.65	33.810															

KOREA ,JI RI SAN , STATION 102-11 , 36-046. N, 131-136. E, APR.17.1979, 20.05 KST, DEPTH 1780 , COLOR , TRANS. , ,

WAVE 2, SWELL 2, WIND N 3, BARO 1022. , AIR TEMP. DRY 9.0, WET , , CLOUD. TYPE , AMT , WEATHER B ,

0	11.21	34.240								0	11.21	34.240		26.17	186	185	.0000
10	11.10	34.200								10	11.10	34.200		26.15	187	187	.0186
20	10.92	34.100								20	10.92	34.1 0		26.11	191	191	.0376
30	10.13	******								30	10.13	******		*****	***	***	******
50	9.97	34.190								50	9.97	34.190		26.34	169	169	******
75	8.39	34.200								75	8.39	34.200		26.61	144	145	******
100	7.91	34.150								100	7.91	34.150		26.64	141	142	******
125	6.25	33.950								125	6.25	33.950		26.71	134	135	******
150	2.62	33.820								150	2.62	33.820		27.00	107	107	******
200	1.45	33.810								200	1.45	33.810		27.08	99	99	******
250	1.06	33.830								250	1.06	33.830		27.12	95	95	******
300	.95	33.820								300	.95	33.820		27.12	95	95	******
400	.75	33.910								400	.75	33.910		27.21	87	87	******
500	.69	33.820															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA T	D-T	SVA	D-DY

5 월 (May)

KOREA ,JI RI SAN , STATION 102-04 , 36-046. N, 129-369. E, MAY.12.1979, 12.00 KST, DEPTH 52 , COLOR 3, TRANS. 6. ,

WAVE 1, SWELL 1, WIND SE 3, BARO 1019. , AIR TEMP. DRY 18.5, WET . , CLOUD. TYPE NS, AMT 9, WEATHER C ,

0	15.28	33.920								0	15.28	33.920		25.10	287	287	.0000
10	14.70	34.320								10	14.70	34.320		25.53	246	246	.0267
20	14.46	34.160								20	14.46	34.160		25.46	253	253	.0517
30	12.60	34.220								30	12.60	34.220		25.89	212	213	.0750
50	7.71	34.240															

KOREA ,JI RI SAN , STATION 102-05 , 36-046. N, 129-413. E, MAY.12.1979, 12.40 KST, DEPTH 210 , COLOR 2, TRANS. 12. ,

WAVE 1, SWELL 1, WIND SE 2, BARO 1019. , AIR TEMP. DRY 18.0, WET . , CLOUD. TYPE NS, AMT 9, WEATHER C ,

0	15.21	34.290								0	15.21	34.290		25.40	259	258	.0000
10	15.00	34.320								10	15.00	34.320		25.47	252	252	.0256
20	14.81	34.340								20	14.81	34.340		25.52	247	247	.0506
30	14.60	34.290								30	14.60	34.290		25.53	246	247	.0753
50	13.39	34.330								50	13.39	34.330		25.81	219	220	.1220
75	12.83	34.200								75	12.83	34.200		25.83	218	219	.1771
100	3.06	34.060								100	3.06	34.060		27.15	92	92	.2162
125	1.98	34.130								125	1.98	34.130		27.30	78	78	.2377
150	1.21	34.030								150	1.21	34.030		27.27	81	80	.2576
200	.90	33.980															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T.	SVA	D-DY

KOREA ,JI RI SAN , STATION 102-06 , 36-046. N, 129-478. E, MAY.12.1979, 13.35 KST, DEPTH 700 , COLOR 2, TRANS. 14. ,

WAVE 1, SWELL 1, WIND SE 2, BARO 1017.5, AIR TEMP. DRY 19.1, WET . , CLOUD. TYPE NS, AMT 8, WEATHER C ,

0	15.51	34.310								0	15.51	34.310		25.35	263	263	.0000
10	15.10	34.340								10	15.10	34.340		25.46	253	253	.0258
20	14.42	34.340								20	14.42	34.340		25.61	239	239	.0505
30	13.70	34.260								30	13.70	34.260		25.70	230	231	.0740
50	13.61	34.250								50	13.61	34.250		25.71	229	230	.1202
75	13.50	34.400								75	13.50	34.400		25.85	216	218	.1763
100	12.88	34.390								100	12.88	34.390		25.96	205	207	.2295
125	3.89	******								125	3.89	******		*****	***	***	******
150	2.00	******								150	2.00	******		*****	***	***	******
200	2.20	33.950								200	2.20	33.950		27.14	93	94	******
250	1.46	******								250	1.46	******		*****	***	***	******
300	.93	33.980															

KOREA ,JI RI SAN , STATION 102-07 , 36-046. N, 130-000. E, MAY.12.1979, 14.55 KST, DEPTH 1590 , COLOR 2, TRANS. 13. ,

WAVE 1, SWELL 1, WIND SE 2, BARO 1017. , AIR TEMP. DRY 18.5, WET . , CLOUD. TYPE NS, AMT 8, WEATHER C ,

0	15.41	34.310								0	15.41	34.310		25.37	261	261	.0000
10	15.22	34.360								10	15.22	34.360		25.45	254	254	.0258
20	14.96	34.370								20	14.96	34.370		25.51	248	248	.0509
30	14.30	34.300								30	14.30	34.300		25.60	239	240	.0753

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
50	13.70	34.430								50	13.70	34.430		25.83	218	219	.1213
75	12.53	34.450								75	12.53	34.450		26.08	194	195	.1732
100	11.38	34.350								100	11.38	34.350		26.22	180	182	.2205
125	10.42	34.290								125	10.42	34.290		26.35	169	171	.2648
150	8.94	34.230								150	8.94	34.230		26.55	150	152	.3053
200	1.95	34.090								200	1.95	34.090		27.27	81	81	.3640
250	1.78	******								250	1.78	******		*****	***	***	******
300	1.70	33.960															

KOREA ,JI RI SAN , STATION 102-08 , 36-046. N, 130-184. E, MAY.12.1979, 16.55 KST, DEPTH 1530 , COLOR 2, TRANS. 12. ,

WAVE 1, SWELL 1, WIND SE 2, BARO 1017. , AIR TEMP. DRY 16.5, WET . , CLOUD. TYPE NS, AMT 7, WEATHER BC,

0	15.06	34.450								0	15.06	34.450		25.55	244	243	.0000
10	14.72	34.430								10	14.72	34.430		25.61	238	238	.0241
20	14.32	34.490								20	14.32	34.490		25.74	226	226	.0474
30	13.03	34.490								30	13.03	34.490		26.01	200	201	.0688
50	12.84	34.360								50	12.84	34.360		25.95	206	207	.1097
75	11.58	34.330								75	11.58	34.330		26.17	185	187	.1591
100	10.78	34.190								100	10.78	34.190		26.20	182	184	.2056
125	9.80	34.190								125	9.80	34.190		26.37	166	168	.2497
150	8.90	34.140								150	8.90	34.140		26.48	156	158	.2906
200	6.30	34.130								200	6.30	34.130		26.85	121	123	.3612
250	3.74	33.990								250	3.74	33.990		27.03	103	105	.4185
300	1.49	33.890															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,JI RI SAN , STATION 102-09 , 36-046. N, 130-369. E, MAY.12.1979, 18.50 KST, DEPTH 1880 , COLOR 3, TRANS. 10. ,

WAVE 1, SWELL 1, WIND SE 2, BARO 1017. , AIR TEMP. DRY 14.8, WET . , CLOUD. TYPE NS, AMT 7, WEATHER BC,

0	14.80	34.030	0	14.80	34.030	25.29	269	269	.0000
10	14.61	34.330	10	14.61	34.330	25.56	243	243	.0257
20	14.49	34.430	20	14.49	34.430	25.66	234	234	.0496
30	13.01	34.480	30	13.01	34.480	26.01	201	201	.0713
50	11.61	34.360	50	11.61	34.360	26.19	184	185	.1100
75	11.15	34.220	75	11.15	34.220	26.16	186	187	.1567
100	10.52	34.120	100	10.52	34.120	26.20	183	185	.2033
125	8.45	34.200	125	8.45	34.200	26.60	145	146	.2448
150	6.65	34.060	150	6.65	34.060	26.75	130	132	.2798
200	2.03	33.940	200	2.03	33.940	27.14	93	93	.3365
250	1.42	33.880	250	1.42	33.880	27.14	93	93	.3834
300	.82	33.980							

KOREA ,JI RI SAN , STATION 102-10 , 36-046. N, 130-551. E, MAY.12.1979, 20.50 KST, DEPTH 1440 , COLOR , TRANS. . ,

WAVE 1, SWELL 1, WIND SE 2, BARO 1017. , AIR TEMP. DRY 14.1, WET . , CLOUD. TYPE , AMT , WEATHER BC,

0	14.41	34.320	0	14.41	34.320	25.53	247	247	.0000
10	14.31	34.420	10	14.31	34.420	25.69	231	231	.0236
20	14.26	34.380	20	14.26	34.380	25.67	233	233	.0468
30	13.13	34.420	30	13.13	34.420	25.94	207	208	.0689

OBSERVED										INTERPOLATED				CALCUL TED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D	SVA	D-DY
50	10.93	34.280								50	10.98	34.280		26.24	179	180	.1077
75	10.13	34.330								75	10.13	34.330		26.43	161	162	.1505
100	9.37	34.240								100	9.37	34.240		26.48	155	157	.1906
125	8.19	34.170								125	8.19	34.170		26.61	143	145	.2284
150	5.75	34.110								150	5.75	34.110		26.90	116	117	.2613
200	2.45	33.950								200	2.45	33.950		27.12	95	96	.3149
250	1.40	34.430								250	1.40	34.430		27.58	51	52	.3521
300	.70	34.290															

6 월 (June)

KOREA ,JI RI SAN , STATION 102-04 , 36-046. N, 129-369. E, JUN.20.1979, 07.25 KST, DEPTH 52 , COLOR 3, TRANS. 11. ,

WAVE 2, SWELL 2, WIND SW 3, BARO 1001. , AIR TEMP. DRY 18.5, WET . , CLOUD. TYPE NS, AMT 10, WEATHER R ,

0	16.20	33.800								0	16.20	33.800		24.80	316	315	.0000
10	12.80	34.160								10	12.80	34.160		25.80	220	220	.0268
20	10.96	34.240								20	10.96	34.240		26.21	181	181	.0470
30	9.52	34.180								30	9.52	34.180		26.41	162	163	.0642
50	5.53	34.110															

KOREA ,JI PI SAN , STATION 102-05 , 36-046. N, 129-413. E, JUN.20.1979, 06.35 KST, DEPTH 210 , COLOR 4, TRANS. 8. ,

WAVE 3, SWELL 3, WIND SW 4, BARO 1002. , AIR TEMP. DRY 19.5, WET . , CLOUD. TYPE , AMT , WEATHER R ,

0	14.05	33.860								0	14.05	33.860		25.32	266	266	.0000
10	14.00	34.000								10	14.00	34.000		25.43	255	255	.0261
20	13.85	33.970								20	13.85	33.970		25.44	254	255	.0516
30	12.90	34.020								30	12.90	34.020		25.67	232	233	.0761
50	10.74	34.130								50	10.74	34.180		26.20	182	183	.1177
75	8.10	34.270								75	8.10	34.270		26.71	134	135	.1576
100	5.32	34.270								100	5.32	34.270		27.08	99	100	.1871
125	4.30	34.140								125	4.30	34.140		27.09	98	99	.2120
150	3.90	34.040								150	3.90	34.040		27.06	101	102	.2372

OBSERVED										INTERPOLATED				CALCUL TED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-L

KOREA ,JI RI SAN , STATION 102-06 , 36-046. N, 129-478. E, JUN.20.1979, 05.45 KST, DEPTH 700 , COLOR , TRANS. . ,

WAVE 3, SWELL 3, WIND SW 4, BARO 1002. , AIR TEMP. DRY 12.7, WET . , CLOUD. TYPE , AMT , WEATHER R ,

0	16.98	33.920	0	16.98	33.920	24.71	324	324	.0000
10	16.45	33.970	10	16.45	33.970	24.87	309	309	.0317
20	15.91	33.970	20	15.91	33.970	25.00	297	297	.0620
30	14.33	33.980	30	14.33	33.980	25.35	263	264	.0901
50	13.27	34.000	50	13.27	34.000	25.58	241	242	.1408
75	12.74	33.980	75	12.74	33.980	25.67	232	234	.2003
100	8.42	33.970	100	8.42	33.970	26.42	161	163	.2500
125	7.33	34.280	125	7.33	34.280	26.83	123	125	.2861
150	5.27	34.270	150	5.27	34.270	27.09	98	100	.3142
200	3.48	34.020	200	3.48	34.020	27.08	99	100	.3644
250	1.91	33.970	250	1.91	33.970	27.18	90	90	.4122
300	1.10	33.960	300	1.10	33.960	27.23	85	85	.4564
400	.94	34.010	400	.94	34.010	27.28	80	80	.5397
500	.63	34.010							

KOREA ,JI RI SAN , STATION 102-07 , 36-046. N, 130-000. E, JUN.20.1979, 04.20 KST, DEPTH 1390 , COLOR , TRANS. . ,

WAVE 2, SWELL 2, WIND SW 4, BARO 1005. , AIR TEMP. DRY 19.2, WET . , CLOUD. TYPE , AMT , WEATHER R ,

0	18.50	33.540	0	18.50	33.540	24.05	387	386	.0000
10	18.08	******	10	18.08	******	*****	***	***	******
20	17.81	33.770	20	17.81	33.770	24.40	354	354	******
30	16.00	34.020	30	16.00	34.020	25.01	295	296	******
50	14.85	34.120	50	14.85	34.120	25.35	264	265	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2 N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
75	13.25	33.950								75	13.25	33.950		25.55	244	244	******
100	11.49	34.130								100	11.49	34.130		26.03	199	201	******
125	7.81	34.310								125	7.81	34.310		26.78	127	129	******
150	5.28	34.290								150	5.28	34.290		27.10	97	98	******
200	2.43	34.010								200	2.43	34.010		27.17	91	91	******
250	1.98	33.960								250	1.98	33.960		27.16	91	92	******
300	1.12	33.970								300	1.12	33.970		27.23	84	85	******
400	.75	34.180								400	.75	34.180		27.42	66	66	******
500	.43	34.290															

KOREA ,JI RI SAN , STATION 102-08 , 36-046. N, 130-184. E, JUN.20.1979, 02.30 KST, DEPTH 1530 , COLOR , TRANS. . ,

WAVE 2, SWELL 2, WIND S 3, BARO 1008. , AIR TEMP. DRY 19.8, WET . , CLOUD. TYPE , AMT , WEATHER R ,

0	19.01	33.490								0	19.01	33.490		23.89	403	402	.0000
10	18.94	34.230								10	18.94	34.230		24.47	347	347	.0375
20	18.41	34.010								20	18.41	34.010		24.43	350	351	.0725
30	16.25	33.980								30	16.25	33.980		24.93	304	304	.1053
50	15.48	34.050								50	15.48	34.050		25.15	282	283	.1641
75	13.38	34.050								75	13.38	34.050		25.60	239	241	.2297
100	12.00	34.960								100	12.00	34.960		26.58	147	149	.2785
125	8.60	34.320								125	8.60	34.320		26.67	138	140	.3147
150	6.25	34.290								150	6.25	34.290		26.98	108	110	.3461
200	3.20	34.000								200	3.20	34.000		27.09	98	99	.3985
250	2.18	34.130								250	2.18	34.130		27.28	80	80	.4436
300	1.01	33.930								300	1.01	33.930		27.21	87	87	.4857
400	.73	34.140								400	.73	34.140		27.39	69	69	.5641

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,JI RI SAN , STATION 102-09 , 36-046. N, 130-369. E, JUN.20.1979, 00.35 KST, DEPTH 1880 , COLOR , TRANS. . ,																	
WAVE 2, SWELL 2, WIND SW 3, BARO 1009. , AIR TEMP. DRY 20.7, WET . , CLOUD. TYPE , AMT , WEATHER C,																	
0	19.50	34.110								0	19.50	34.110		24.23	369	369	.0000
10	19.50	34.090								10	19.50	34.090		24.22	371	371	.0371
20	19.05	34.080								20	19.05	34.080		24.33	361	361	.0737
30	16.10	34.220								30	16.10	34.220		25.14	283	283	.1060
50	14.91	34.290								50	14.91	34.290		25.46	252	253	.1597
75	14.25	34.320								75	14.25	34.320		25.63	237	238	.2213
100	12.22	34.400								100	12.22	34.400		26.10	192	194	.2755
125	8.90	34.180								125	8.90	34.180		26.51	153	155	.3192
150	4.70	33.960								150	4.70	33.960		26.91	115	116	.3533
200	2.15	33.950								200	2.15	33.950		27.14	93	94	.4060
250	1.45	33.940								250	1.45	33.940		27.19	89	89	.4519
300	.80	33.940								300	.80	33.940		27.23	85	85	.4957
400	.68	33.920								400	.68	33.920		27.22	86	85	.5812
500	.60	33.950															
KOREA ,JI RI SAN , STATION 102-10 , 36-046. N, 130-551. E, JUN.19.1979, 22.45 KST, DEPTH 1440 , COLOR , TRANS. . ,																	
WAVE 2, SWELL 2, WIND SW 3, BARO 1009. , AIR TEMP. DRY 21.4, WET . , CLOUD TYPE , AMT , WEATHER C ,																	
0	20.00	34.000								0	20.00	34.000		24.02	390	390	.0000
10	19.91	33.840								10	19.91	33.840		23.92	399	399	.0395
20	17.72	34.060								20	17.72	34.060		24.64	331	331	.0760
30	16.25	34.200								30	16.25	34.200		25.09	287	288	.1070
50	15.28	34.280								50	15.28	34.280		25.37	261	262	.1621

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
75	14.90	34.400								75	14.90	34.400		25.55	244	246	.2257
100	13.05	34.380								100	13.05	34.380		25.82	209	211	.2830
125	11.40	34.350								125	11.40	34.350		26.22	181	183	.3324
150	8.65	34.160								150	8.65	34.160		26.54	150	153	.3746
200	2.90	33.960								200	2.90	33.960		27.09	98	99	.4378
250	1.64	33.890								250	1.64	33.890		27.13	94	94	.4764
300	1.05	33.930								300	1.05	33.930		27.20	87	87	.5320
400	.78	33.980								400	.78	33.980		27.26	82	82	.6169
500	.70	33.980															

KOREA ,JI RI SAN , STATION 102-11 , 36-046. N, 131-136. E, JUN.19.1979, 20.50 KST, DEPTH 1780 , COLOR , TRANS. . ,

WAVE 1, SWELL 1, WIND S 2, BARO 1009. , AIR TEMP. DPY 20.5, WET . , CLOUD. TYPE , AMT , WEATHER CF,

0	20.00	33.940								0	20.00	33.940		23.97	394	394	.0000
10	19.65	33.990								10	19.65	33.990		24.10	382	382	.0386
20	17.07	34.040								20	17.07	34.040		24.78	317	318	.0739
30	15.90	34.370								30	15.90	34.370		25.31	267	268	.1032
50	15.49	34.360								50	15.49	34.360		25.39	259	261	.1561
75	14.80	34.290								75	14.80	34.290		25.49	250	252	.2203
100	12.47	34.370								100	12.47	34.370		26.03	199	201	.2770
125	12.33	34.320								125	12.33	34.320		26.02	200	202	.3276
150	8.30	34.170								150	8.30	34.170		26.60	145	147	.3714
200	3.43	33.900								200	3.43	33.900		26.99	107	109	.4355
250	1.50	33.990								250	1.50	33.990		27.22	85	86	.4843
300	.98	33.970								300	.98	33.970		27.24	84	84	.5269
400	.80	33.940								400	.80	33.940		27.23	85	85	.6116

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA T	D-T	SVA	DYN

8 월 (August)

KOREA ,JI RI SAN , STATION 102-04 , 36-046. N, 129-369. E, AUG.12.1979, 03.00 KST, DEPTH 52 , COLOR , TRANS. . ,

WAVE 1, SWELL 1, WIND SW 1, BARO 1007.5, AIR TEMP. DRY 24.2, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	20.80	33.270							0	20.80	33.270	23.25	463	463	.0000
10	15.21	33.900							10	15.21	33.900	25.10	287	287	.0375
20	13.85	34.260							20	13.85	34.260	25.67	233	233	.0636
30	13.25	34.330							30	13.25	34.330	25.84	216	217	.0862
50	10.12	34.270													

KOREA ,JI RI SAN , STATION 102-05, 36-046. N, 129-413. E, AUG.12.1979, 02.00 KST, DEPTH 210 , COLOR , TRANS. . ,

WAVE 1, SWELL 1, WIND SW 2, BARO 1007.5, AIR TEMP. DRY 23.7, WET . , CLOUD. TYPE , AMT , WEATHER F ,

0	21.85	32.780							0	21.85	32.780	22.60	526	525	.0000
10	18.40	33.340							10	18.40	33.340	23.92	399	399	.0463
20	13.40	34.220							20	13.40	34.220	25.73	227	227	.0776
30	13.86	34.290							30	13.86	34.290	25.69	231	232	.1006
50	11.85	34.280							50	11.85	34.280	26.08	194	195	.1434
75	8.35	34.200							75	8.35	34.200	26.61	143	144	.1859
100	5.38	34.140							100	5.38	34.140	26.97	109	110	.2178
125	3.23	34.060							125	3.23	34.060	27.14	94	94	.2434
150	1.85	34.030							150	1.85	34.030	27.23	85	85	.2659
200	.95	34.020													

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA ,JI RI SAN , STATION 102-06 , 36-046. N, 129-478. E, AUG.12.1979, 01.00 KST, DEPTH 700 , COLOR , TRANS. , ,																	
WAVE 1, SWELL 1, WIND NW 1, BARO 1008. , AIR TEMP. DRY 24.0, WET . , CLOUD. TYPE , AMT , WEATHER F ,																	
0	22.10	32.780								0	22.10	32.780		22.53	532	532	.0000
10	19.10	33.120								10	19.10	33.120		23.58	432	432	.0482
20	15.90	33.850								20	15.90	33.850		24.91	305	306	.0851
30	15.13	34.210								30	15.13	34.210		25.35	263	263	.1136
50	13.13	34.220								50	13.13	34.220		25.78	222	223	.1624
75	9.00	34.220								75	9.00	34.220		26.53	151	152	.2094
100	4.65	34.110								100	4.65	34.110		27.03	103	104	.2416
125	3.15	34.060								125	3.15	34.060		27.14	93	93	.2665
150	2.15	34.030								150	2.15	34.030		27.21	87	87	.2892
200	1.08	34.020								200	1.08	34.020		27.27	80	80	.3313
250	.74	34.030								250	.74	34.030		27.30	78	77	.3711
300	.52	34.020								300	.52	34.020		27.31	77	77	.4099
400	.35	34.040								400	.35	34.040		27.33	75	74	.4860
500	.39	34.040															
KOREA ,JI RI SAN , STATION 102-07 , 36-046. N, 130-000. E, AUG.11.1979, 23.20 KST, DEPTH 1390 , COLOR , TRANS. , ,																	
WAVE 1, SWELL 1, WIND SW 2, BARO 1003. , AIR TEMP. DRY 25.5, WET . , CLOUD. TYPE , AMT , WEATHER B ,																	
0	25.25	32.710								0	25.25	32.710		21.56	625	625	.0000
10	24.51	33.940								10	24.51	33.940		22.71	515	515	.0570
20	19.93	33.840								20	19.93	33.840		23.92	400	400	.1028
30	16.47	34.170								30	16.47	34.170		25.02	294	295	.1376
50	15.39	34.320								50	15.39	34.320		25.38	260	261	.1934

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
75	13.70	34.360								75	13.70	34.360		25.77	223	224	.2542
100	13.32	34.350								100	13.32	34.350		25.84	216	218	.3097
125	6.36	34.160								125	6.36	34.160		26.86	119	121	.3522
150	3.54	34.070								150	3.54	34.070		27.11	96	96	.3795
200	1.44	34.020								200	1.44	34.020		27.25	83	83	.4246
250	.87	34.020								250	.87	34.020		27.29	79	79	.4655
300	.78	33.950								300	.78	33.950		27.24	84	84	.5063
400	.54	34.020								400	.54	34.020		27.31	77	77	.5872
500	.54	34.020															

KOREA , JI RI SAN , STATION 102-08 , 36-046. N, 130-184. E, AUG.11.1979, 21.25 KST, DEPTH 1530 , COLOR , TRANS.

WAVE 1, SWELL 1, WIND SW 2, BARO 1003. , AIR TEMP. DRY 26.?, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	26.32	32.220								0	26.32	32.220		20.86	692	691	.0000
10	25.52	32.100								10	25.52	32.100		21.02	677	677	.0685
20	21.35	32.910								20	21.35	32.910		22.83	503	504	.1275
30	19.37	33.760								30	19.37	33.760		24.00	392	392	.1724
50	16.25	33.820								50	16.25	33.820		24.80	315	316	.2433
75	15.38	34.290								75	15.38	34.290		25.36	262	264	.3160
100	15.02	34.430								100	15.02	34.430		25.55	244	247	.3800
125	13.42	34.370								125	13.42	34.370		25.84	217	220	.4384
150	9.09	34.250								150	9.09	34.250		26.54	150	153	.4851
200	2.27	34.050								200	2.27	34.050		27.21	86	87	.5455
250	1.10	34.030								250	1.10	34.030		27.28	80	80	.5873
300	.82	34.010								300	.82	34.010		27.28	80	80	.6274
400	.61	34.020								400	.61	34.020		27.30	78	77	.7064
500	.49	34.020															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,JI RI SAN , STATION 102-09 , 36-046. N, 130-369. E, AUG.11.1979, 19.25 KST, DEPTH 1880 , COLOR , TRANS. . ,																	
WAVE 1, SWELL 1, WIND SW 2, BARO 1003. , AIR TEMP. DRY 27.5, WET . , CLOUD. TYPE , AMT , WEATHER B ,																	
0	27.25	32.330								0	27.25	32.330		20.65	712	712	.0000
10	26.90	32.300								10	26.90	32.300		20.74	703	703	.0708
20	26.47	32.350								20	26.47	32.350		20.91	687	687	.1404
30	24.69	32.790								30	24.69	32.790		21.79	603	604	.2050
50	19.57	33.610								50	19.57	33.610		23.84	407	409	.3063
75	17.10	34.220								75	17.10	34.220		24.91	305	307	.3959
100	16.43	34.290								100	16.43	34.290		25.12	285	287	.4703
125	15.99	34.320								125	15.99	34.320		25.25	273	276	.5409
150	15.51	34.340								150	15.51	34.340		25.37	261	265	.6087
200	9.36	34.290								200	9.36	34.290		26.52	152	155	.7140
250	3.11	34.080								250	3.11	34.080		27.16	91	92	.7762
300	1.42	34.000								300	1.42	34.000		27.24	84	84	.8206
400	.90	34.020								400	.90	34.020		27.29	79	79	.9031
500	.69	34.030															
KOREA ,JI RI SAN , STATION 102-10 , 36-046. N, 130-551. E, AUG.11.1979, 17.30 KST, DEPTH 1440 , COLOR 3, TRANS. 20. ,																	
WAVE 1, SWELL 1, WIND SW 1, BARO 1003. , AIR TEMP. DRY 29.2, WET . , CLOUD. TYPE AC, AMT 5, WEATHER BC,																	
0	27.03	32.460								0	27.03	32.460		20.82	696	696	.0000
10	26.65	32.390								10	26.65	32.390		20.89	689	689	.0693
20	23.85	32.970								20	23.85	32.970		22.17	566	567	.1321
30	19.55	33.750								30	19.55	33.750		23.95	397	397	.1804
50	13.13	34.180															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
75	16.82	34.090								75	16.82	34.090		24.88	308	310	.3315
100	16.12	34.360								100	16.12	34.360		25.25	273	276	.4048
125	15.40	34.340								125	15.40	34.340		25.39	259	262	.4721
150	11.42	34.370								150	11.42	34.370		26.23	180	183	.5279
200	4.50	34.100								200	4.50	34.100		27.04	103	104	.5999
250	1.90	34.020								250	1.90	34.020		27.22	86	86	.6479
300	1.20	34.020								300	1.20	34.020		27.27	81	81	.6901
400	.75	34.010								400	.75	34.010		27.29	79	79	.7709
500	.60	34.020															

KOREA ,JI RI SAN , STATION 102-11 , 36-046. N, 131-136. E, AUG.11.1979, 15.30 KST, DEPTH 1780 , COLOR 3, TRANS. 19. ,

WAVE 1, SWELL 1, WIND SW , BARO 1003. , AIR TEMP. DRY 29.7, WET . , CLOUD. TYPE AC, AMT 2, WEATHER B ,

0	27.55	32.550								0	27.55	32.550		20.72	705	705	.0000
10	26.20	32.480								10	26.20	32.480		21.10	669	669	.0688
20	20.56	33.000								20	20.56	33.000		23.11	476	477	.1261
30	19.11	33.820								30	19.11	33.820		24.11	381	382	.1691
50	17.08	34.180								50	17.08	34.180		24.89	307	309	.2382
75	16.14	34.260								75	16.14	34.260		25.17	281	283	.3122
100	15.91	34.410								100	15.91	34.410		25.33	265	267	.3811
125	14.77	34.340								125	14.77	34.340		25.53	246	249	.4457
150	13.95	34.410								150	13.95	34.410		25.76	224	228	.5054
200	7.20	34.210								200	7.20	34.210		26.79	126	129	.5949
250	5.56	34.110								250	5.56	34.110		26.93	114	116	.6565
300	3.34	34.050								300	3.34	34.050		27.12	95	97	.7101
400	1.25	34.020								400	1.25	34.020		27.26	82	82	.8001
500	.85	34.040															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

10 월 (October)

KOREA ,JI RI SAN , STATION 102-04 , 36-046. N, 129-369. E, OCT.14.1979, 08.55 KST, DEPTH 52 , COLOR 2, TRANS. 12. ,

WAVE 1, SWELL 1, WIND SW 2, BARO 1024. , AIR TEMP. DRY 20.0, WET . , CLOUD. TYPE AC, AMT 6, WEATHER BC,

0	20.61	33.180								0	20.61	33.180		23.24	465	464	.0000
10	20.72	33.560								10	20.72	33.560		23.50	440	440	.0453
20	21.00	33.990								20	21.00	33.990		23.75	416	416	.0881
30	20.72	33.220								30	20.72	33.220		23.24	465	465	.1322
50	18.51	34.010															

KOREA ,JI RI SAN , STATION 102-05 , 36-046. N, 129-413. E, OCT.14.1979, 09.35 KST, DEPTH 210 , COLOR 2, TRANS. 12. ,

WAVE 1, SWELL 1, WIND SW 2, BARO 1023. , AIP TEMP. DRY 24.5, WET . , CLOUD. TYPE AC, AMT 6, WEATHER BC,

0	21.75	33.370								0	21.75	33.370		23.07	480	480	.0000
10	21.72	33.330								10	21.72	33.330		23.05	482	482	.0482
20	21.62	33.280								20	21.62	33.280		23.04	483	484	.0965
30	17.92	33.700								30	17.92	33.700		24.32	362	362	.1389
50	12.08	34.270								50	12.08	34.270		26.03	199	200	.1952
75	7.01	34.150								75	7.01	34.150		26.77	128	129	.2364
100	2.03	34.210								100	2.03	34.210		27.36	72	73	.2618
125	1.42	33.990								125	1.42	33.990		27.23	85	85	.2816
150	1.22	33.980								150	1.22	33.980		27.23	84	84	.3028
200	.92	34.000															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,JI RI SAN , STATION 102-06 , 36-046. N, 129-478. E, OCT.14.1979, 10.30 KST, DEPTH 700 , COLOR 2, TRANS. 12. ,																	
WAVE 1, SWELL 1, WIND SW 2, BARO 1023. , AIR TEMP. DRY 21.5, WET . , CLOUD. TYPE AC, AMT 4, WEATHER BC,																	
0	21.30	33.090								0	21.30	33.090		22.98	489	489	.0000
10	21.37	33.670								10	21.37	33.670		23.40	449	449	.0469
20	22.63	33.900								20	22.63	33.900		23.23	466	466	.0927
30	23.01	33.860								30	23.01	33.860		23.09	479	479	.1400
50	19.63	33.920								50	19.63	33.920		24.06	386	388	.2268
75	15.94	34.280								75	15.94	34.280		25.23	275	277	.3100
100	13.66	34.060								100	13.66	34.060		25.55	244	246	.3755
125	7.82	33.980								125	7.82	33.980		26.52	152	154	.4256
150	3.59	33.970								150	3.59	33.970		27.03	104	104	.4580
200	1.23	33.990								200	1.23	33.990		27.24	84	84	.5053
250	.83	34.030								250	.83	34.030		27.30	78	78	.5460
300	.67	34.010								300	.67	34.010		27.29	79	79	.5854
400	.57	33.980								400	.57	33.980		27.27	81	80	.6653
500	.54	33.880															
KOREA ,JI RI SAN , STATION 102-07 , 36-046. N, 130-000. E, OCT.14.1979, 11.55 KST, DEPTH 1390 , COLOR 2, TRANS. 15. ,																	
WAVE 1, SWELL 1, WIND SE 1, BARO 1023. , AIR TEMP. DRY 24.0, WET . , CLOUD. TYPE AC, AMT 4, WEATHER BC,																	
0	22.50	33.740								0	22.50	33.740		23.14	474	473	.0000
10	22.39	33.670								10	22.39	33.670		23.12	476	476	.0475
20	22.31	33.670								20	22.31	33.670		23.14	474	474	.0950
30	22.23	33.660								30	22.23	33.660		23.16	472	473	.1424
50	22.21	33.610								50	22.21	33.610		23.13	475	476	.2374

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
75	17.52	34.000								75	17.52	34.000		24.84	330	332	.3387
100	16.72	34.180								100	16.72	34.180		24.97	209	302	.4181
125	14.85	34.170								125	14.85	34.170		25.38	260	263	.4888
150	9.83	34.220								150	9.83	34.220		26.39	164	167	.5427
200	1.61	34.010								200	1.61	34.010		27.23	85	85	.6059
250	.99	34.000								250	.99	34.000		27.26	81	81	.6477
300	.85	34.000								300	.85	34.000		27.27	81	81	.6784
400	.70	33.980								400	.70	33.980		27.27	81	81	.7697
500	.65	33.090															

KOREA ,JI RI SAN , STATION 102-08 , 36-046. N, 130-184. E, OCT.14.1979, 13.55 KST, DEPTH 153 , COLOR 2, TRANS. 16. ,

WAVE 1, SWELL 1, WIND SE 2, BARO 1022. , AIR TEMP. DRY 25.0, WET . , CLOUD. TYPE AC, AMT 4, WEATHER BC,

0	22.80	33.790								0	22.80	33.780		23.09	479	478	.0000
10	21.18	33.500								10	21.18	33.500		23.33	456	456	.0468
20	21.06	33.440								20	21.06	33.440		23.31	457	456	.0935
30	20.86	33.390								30	20.86	33.390		23.33	456	456	.1385
50	18.16	33.890								50	18.16	33.890		24.40	353	354	.2195
75	17.10	34.290								75	17.10	34.290		24.97	300	302	.3016
100	14.70	34.330								100	14.70	34.330		25.94	245	248	.3704
125	10.92	34.390								125	10.92	34.390		26.33	170	172	.4230
150	9.31	34.330								150	9.31	34.330		26.56	148	150	.4634
200	1.64	34.140								200	1.64	34.140		27.33	75	75	.5201
250	.98	34.040								250	.98	34.040		27.30	78	78	.5587
300	.80	33.980								300	.80	33.980		27.26	82	82	.5990
400	.63	34.000								400	.63	34.000		27.29	79	79	.6799

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA ,JI RI SAN , STATION 102-09 , 36-046. N, 130-369. E, OCT.14.1979, 15.50 KST, DEPTH 1880 , COLOR 2, TRANS. 15. ,																	
WAVE 1, SWELL 1, WIND NE 2, BARO 1022. , AIR TEMP. DRY 22.8, WET . , CLOUD. TYPE AC, AMT 4, WEATHER BC,																	
0	21.90	33.610								0	21.90	33.610		23.21	467	467	.0000
10	21.52	33.620								10	21.52	33.620		23.32	456	456	.0462
20	21.50	33.860								20	21.50	33.860		23.51	438	439	.0910
30	21.62	33.660								30	21.62	33.660		23.33	456	457	.1358
50	18.88	34.060								50	18.88	34.060		24.35	358	359	.2175
75	16.14	34.270								75	16.14	34.270		25.17	280	282	.2977
100	13.05	34.340								100	13.05	34.340		25.89	212	214	.3598
125	9.50	34.280								125	9.50	34.280		26.49	155	157	.4063
150	5.61	34.120								150	5.61	34.120		26.93	113	115	.4404
200	2.38	34.000								200	2.38	34.000		27.16	91	92	.4922
250	1.52	33.980								250	1.52	33.980		27.21	86	87	.5371
300	.87	33.680								300	.87	33.680		27.02	105	105	.5852
400	.75	34.270								400	.75	34.270		27.50	59	60	.6679
500	.56	34.330															
KOREA ,JI RI SAN , STATION 102-10 , 36-046. N, 130-551. E, OCT.14.1979, 17.50 KST, DEPTH 1440 , COLOR 2, TRANS. 17. ,																	
WAVE 1, SWELL 1, WIND NE 2, BARO 1021. , AIR TEMP. DRY 21.1, WET . , CLOUD. TYPE AC, AMT 6, WEATHER BC,																	
0	20.79	33.480								0	20.79	33.480		23.42	447	447	.0000
10	20.65	33.380								10	20.65	33.380		23.38	451	451	.0450
20	20.51	33.360								20	20.51	33.360		23.40	449	449	.0900
30	20.50	33.390								30	20.50	33.390		23.42	447	447	.1349
50	17.73	34.020								50	17.73	34.020		24.61	334	335	.2133

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
75	15.28	34.270								75	15.28	34.270		25.37	262	263	.2882
100	14.14	34.370								100	14.14	34.370		25.69	231	233	.3504
125	11.50	34.330								125	11.50	34.330		26.18	184	187	.4030
150	10.38	34.260								150	10.38	34.260		26.33	170	173	.4481
200	5.50	34.130								200	5.50	34.130		26.95	111	113	.5199
250	2.16	34.080								250	2.16	34.080		27.24	83	84	.5495
300	1.50	33.980								300	1.50	33.980		27.21	86	87	.6124
400	.70	34.000								400	.70	34.000		27.28	80	80	.6960
500	.52	33.920															

KOREA ,JI RI SAN , STATION 102-11 , 36-046. N, 131-136. E, OCT.14.1979, 19.45 KST, DEPTH 1780 , COLOR , TRANS.

WAVE 1, SWELL 1, WIND NE 2, BARO 1022. , AIR TEMP. DRY 21.0, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	21.02	33.550								0	21.02	33.550		23.41	448	448	.0000
10	21.02	33.500								10	21.02	33.500		23.37	452	452	.0450
20	21.00	33.470								20	21.00	33.470		23.35	454	454	.0904
30	18.31	34.000								30	18.31	34.000		24.45	349	349	.1306
50	17.47	34.150								50	17.47	34.150		24.77	318	32	.1976
75	15.50	34.290								75	15.50	34.290		25.33	265	267	.2710
100	14.10	34.390								100	14.10	34.390		25.71	229	231	.3333
125	10.72	34.370								125	10.72	34.370		26.35	168	170	.3836
150	9.80	34.250								150	9.80	34.250		26.42	161	164	.4255
200	5.62	34.120								200	5.62	34.120		26.93	113	116	.4957
250	3.00	34.020								250	3.00	34.020		27.13	95	96	.5488
300	1.41	33.960								300	1.41	33.960		27.20	87	87	.5948
400	.92	33.980								400	.92	33.980		27.25	83	83	.6803

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	Si	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SV	D-DY

12 월 (December)

KOREA ,JI RI SAN , STATION 102-04 , 36-046. N, 129-369. E, DEC.11.1979, 10.00 KST, DEPTH 52 , COLOR 3, TRANS. 12. ,

WAVE 3, SWELL 2, WIND NW 4, BARO 1033. , AIR TEMP. DRY 10.5, WET . , CLOUD. TYPE CU, AMT 6, WEATHER BC,

0	15.97	34.470								0	15.97	34.470		25.37	262	261	.0000
10	16.00	34.470								10	16.00	34.470		25.36	262	262	.0262
20	16.04	34.440								20	16.04	34.440		25.33	265	266	.0527
30	15.66	34.540								30	15.66	34.540		25.49	250	250	.0785
50	15.30	34.520															

KOREA ,JI RI SAN , STATION 102-05 , 36-046. N, 129-413. E, DEC.12.1979, 06.20 KST, DEPTH 210 , COLOR , TRANS.

WAVE 1, SWELL 2, WIND SW 2, BARO 1029. , AIR TEMP. DRY 9.0, WET . , CLOUD. TYPE NS, AMT 8, WEATHER C ,

0	15.90	34.430								0	15.90	34. 30		25.35	263	263	.0000
10	16.05	34.410								10	16.05	34.410		25.30	268	268	.0266
20	16.00	34.400								20	16.00	34.400		25.31	267	268	.0534
30	15.90	34.410								30	15.90	34.410		25.34	265	265	.0801
50	15.30	34.520								50	15.30	34.520		25.55	244	245	.1312
75	12.90	34.530								75	12.90	34.530		26.07	195	197	.1865
100	7.50	34.320								100	7.50	34.320		26.83	122	124	.2266
125	5.60	34.230								125	5.60	34.230		27.02	105	106	.2555
150	3.50	34.190								150	3.50	34.190		27.21	86	87	.2797
200	1.65	34.170															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA ,JI RI SAN , STATION 102-06 , 36-046. N, 129-478. E, DEC.12.1979, 07.15 KST, DEPTH 700 , COLOR 3, TRANS. 18. ,																	
WAVE 1, SWELL 2, WIND SE 3, BARO 1028. , AIR TEMP. DRY 8.0, WET . , CLOUD. TYPE NS, AMT 8, WEATHER C ,																	
0	15.85	34.250								0	15.85	34.250		25.22	275	275	.0000
10	15.83	34.290								10	15.83	34.290		25.26	272	272	.0274
20	16.00	34.330								20	16.00	34.330		25.25	273	273	.0547
30	16.08	34.370								30	16.08	34.370		25.26	271	272	.0819
50	16.12	34.630								50	16.12	34.630		25.45	253	254	.1347
75	11.96	34.460								75	11.96	34.460		26.20	183	184	.1896
100	9.05	34.360								100	9.05	34.360		26.63	142	143	.2307
125	2.03	34.140								125	2.03	34.140		27.30	78	78	.2585
150	1.44	34.090								150	1.44	34.090		27.31	77	77	.2780
200	1.10	34.110								200	1.10	34.110		27.35	74	74	.3161
250	.73	34.030								250	.73	34.030		27.30	78	77	.3541
300	.60	34.020								300	.60	34.020		27.30	78	77	.3931
400	.58	34.130								400	.58	34.130		27.39	69	69	.4667
500	.50	34.110															
KOREA ,JI RI SAN , STATION 102-07 , 36-046. N, 130-000. E, DEC.12.1979, 08.40 KST, DEPTH 1390 , COLOR 3, TRANS. 16. ,																	
WAVE 1, SWELL 2, WIND SE 3, BARO 1028. , AIR TEMP. DRY 11.0, WET . , CLOUD. TYPE NS, AMT 8, WEATHER C ,																	
0	16.35	34.150								0	16.35	34.150		25.03	293	293	.0000
10	16.24	34.240								10	16.24	34.240		25.13	284	284	.0289
20	16.42	34.180								20	16.42	34.180		25.04	293	293	.0578
30	16.40	34.200								30	16.40	34.200		25.06	291	291	.0871

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D DY
75	14.90	34.390								75	14.90	34.390		25.54	245	247	.2111
100	11.05	34.440								100	11.05	34.440		26.35	168	170	.2634
125	4.92	34.220								125	4.92	34.220		27.09	98	99	.2971
150	3.67	34.150								150	3.67	34.150		27.17	91	92	.3211
200	1.95	34.140								200	1.95	34.140		27.31	77	78	.3637
250	1.07	34.090								250	1.07	34.090		27.33	75	75	.4021
300	.83	34.120								300	.83	34.120		27.37	71	71	.4390
400	.60	34.110								400	.60	34.110		27.38	71	71	.5104
500	.60	34.110															

KOREA ,JI RI SAN , STATION 102-08 , 36-046. N, 130-184. E, DEC.12.1979, 10.40 KST, DEPTH 1530 , COLOR 3, TRANS. 15. ,

WAVE 1, SWELL 2, WIND NE 2, BARO 1028. , AIR TEMP. DRY 12.8, WET . , CLOUD. TYPE CU, AMT 7, WEATHER BC,

0	16.33	33.750								0	16.33	33.750		24.73	322	322	.0000
10	16.30	34.200								10	16.30	34.200		25.08	289	289	.0306
20	16.40	34.240								20	16.40	34.240		25.09	288	288	.0594
30	16.40	34.200								30	16.40	34.200		25.06	291	291	.0885
50	16.15	34.180								50	16.15	34.180		25.10	287	288	.1465
75	12.95	34.430								75	12.95	34.430		25.98	203	205	.2082
100	9.28	34.410								100	9.28	34.410		26.63	141	143	.2518
125	4.85	34.210								125	4.89	34.210		27.09	98	99	.2822
150	3.93	34.120								150	3.93	34.120		27.12	95	96	.3068
200	2.30	34.130								200	2.30	34.130		27.27	81	81	.3515
250	1.40	34.070								250	1.40	34.070		27.29	79	79	.3917
300	.90	34.110								300	.90	34.110		27.36	73	73	.4299
400	.80	34.110								400	.80	34.110		27.36	72	72	.5026
500	.63	34.120															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,JI RI SAN , STATION 102-09 , 36-046. N, 130-369. E, DEC.12.1979, 12.35 KST, DEPTH 1880 , COLOR 3, TRANS. 15. ,																	
WAVE 3, SWELL 2, WIND NW 4, BARO 1026. , AIR TEMP. DRY 15.3, WET . , CLOUD. TYPE CU, AMT 4, WEATHER BC,																	
0	16.60	34.270								0	16.60	34.270		25.07	290	290	.0000
10	16.65	34.250								10	16.65	34.250		25.04	293	293	.0292
20	16.68	34.290								20	16.68	34.290		25.06	290	291	.0584
30	16.10	34.220								30	16.10	34.220		25.14	283	283	.0871
50	16.00	34.250								50	16.00	34.250		25.19	278	279	.1435
75	15.98	34.230								75	15.98	34.230		25.18	279	281	.2137
100	15.42	34.200								100	15.42	34.200		25.28	270	272	.2830
125	10.21	34.410								125	10.21	34.410		26.48	156	159	.3370
150	8.13	34.330								150	8.13	34.330		26.75	130	133	.3735
200	4.53	34.180								200	4.53	34.180		27.10	97	99	.4316
250	1.07	34.110								250	1.07	34.110		27.35	74	74	.4749
300	.89	34.140								300	.89	34.140		27.38	70	70	.5111
400	.70	34.110								400	.70	34.110		27.37	71	71	.5823
500	.65	34.110															
KOREA ,JI RI SAN , STATION 102-10 , 36-046. N, 130-551. E, DEC.12.1979, 14.35 KST, DEPTH 1440 , COLOR 3, TRANS. 15. ,																	
WAVE 3, SWELL 2, WIND NE 5, BARO 1025.5, AIR TEMP. DRY 15.2, WET . , CLOUD. TYPE CU, AMT 4, WEATHER BC,																	
0	16.86	34.240								0	16.86	34.240		24.98	298	298	.0000
10	17.30	34.250								10	17.30	34.250		24.89	307	307	.0305
20	17.35	34.250								20	17.35	34.250		24.88	308	309	.0611
30	17.00	34.250								30	17.00	34.250		24.96	300	301	.0917

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
75	16.54	34.240								75	16.54	34.240		25.06	291	293	.2260
100	15.70	34.310								100	15.70	34.310		25.30	268	270	.2964
125	14.30	34.470								125	14.30	34.470		25.73	227	230	.3590
150	10.13	34.420								150	10.13	34.420		26.50	154	157	.4075
200	4.60	******								200	4.60	******		*****	***	***	******
250	1.22	34.150								250	1.22	34.150		27.37	71	72	******
300	.84	34.140								300	.84	34.140		27.39	70	70	******
400	.78	34.100								400	.78	34.100		27.36	73	73	******
500	.59	34.140															

KOREA ,JI RI SAN , STATION 102-11 , 36-046. N, 131-136. E, DEC.12.1979, 16.30 KST, DEPTH 1780 , COLOR 3, TRANS. 10. ,

WAVE 3, SWELL 2, WIND NE 5, BARO 1025. , AIR TEMP, DRY 9.8, WET . , CLOUD. TYPE CU, AMT 8, WEATHER C ,

0	16.70	34.250								0	16.70	34.250		25.03	294	293	.0000
10	16.95	34.250								10	16.95	34.250		24.97	299	299	.0297
20	16.58	34.250								20	16.58	34.250		25.06	291	291	.0593
30	16.40	34.250								30	16.40	34.250		25.10	287	288	.0885
50	16.00	34.290								50	16.00	34.290		25.22	275	277	.1448
75	15.98	34.220								75	15.98	34.220		25.17	280	282	.2147
100	10.36	34.130								100	10.36	34.180		26.27	176	178	.2723
125	10.27	34.280								125	10.27	34.280		26.36	167	169	.3158
150	10.20	34.420								150	10.20	34.420		26.48	155	158	.3568
200	4.60	34.220								200	4.60	34.220		27.12	95	96	.4207
250	1.11	34.130								250	1.11	34.130		27.36	72	72	.4632
300	.80	34.150								300	.80	34.150		27.40	69	69	.4987
400	.71	34.110								400	.71	34.110		27.37	71	71	.5693
500	.60	34.130															

209 선 해 양 관 측 성 적
OCEANOGRAPHIC DATA, LINE 209

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	Si	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
2 월 (February)																	
KOREA ,JI PI SAN , STATION 209-04 , 35-473. N, 129-328. E, FEB.19.1979, 13.20 KST, DEPTH 64 , COLOR 3, TRANS. 15. ,																	
WAVE 3, SWELL 1, WIND NE 5, BARO 1019. , AIR TEMP. DRY 12.5, WET . , CLOUD. TYPE , AMT , WEATHER B ,																	
0	13.08	34.610								0	13.08	34.610		26.09	192	192	.0000
10	13.10	34.580								10	13.10	34.580		26.07	195	195	0194
20	12.91	34.580								20	12.91	34.580		26.10	191	192	.0388
30	12.65	34.510								30	12.65	34.510		26.10	192	192	.0580
50	12.69	34.510								50	12.69	34.510		26.09	192	193	.0967
60	12.40	34.510															
KOREA ,JI NI SAN , STATION 209-05 , 35-454. N, 129-384. E, FEB.19.1979, 14.05 KST, DEPTH 150 , COLOR 3, TRANS. 17. ,																	
WAVE 3, SWELL 1, WIND NE 5, BARO 1013. , AIR TEMP. DRY 12.6, WET . , CLOUD. TYPE , AMT , WEATHER B ,																	
0	12.68	34.600								0	12.68	34.600		26.17	186	185	.0000
10	13.52	34.600								10	13.52	34.600		26.00	202	202	.0194
20	13.60	34.610								20	13.60	34.610		25.99	203	203	.0397
30	13.83	34.620								30	13.83	34.620		25.95	206	207	.0602
50	13.63	34.610								50	13.63	34.610		25.98	203	204	.1014
75	13.01	34.530								75	13.01	34.530		26.05	197	199	.1519
100	12.30	34.460								100	12.30	34.460		26.13	189	191	.2007
125	11.62	34.430								125	11.62	34.430		26.24	179	181	.2474
150	5.96	34.500															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA ,JI RI SAN , STATION 209-06 , 35-413. N, 129-490. E, FEB.19.1979, 15.15 KST, DEPTH 250 , COLOR 3, TRANS. 16. ,																	
WAVE 3, SWELL 1, WIND NE 5, BARO 1019. , AIR TEMP. DRY 11.7, WET . , CLOUD. TYPE , AMT , WEATHER B ,																	
0	12.88	34.600								0	12.68	34.600		26.13	189	189	.0000
10	13.44	34.630								10	13.44	34.630		26.04	198	198	.0194
20	13.45	34.610								20	13.45	34.610		26.02	200	200	.0393
30	13.25	34.600								30	13.25	34.600		26.05	196	197	.0592
50	13.15	34.550								50	13.15	34.550		26.03	198	199	.0989
75	12.91	34.560								75	12.91	34.560		26.09	193	195	.1483
100	12.80	34.510								100	12.80	34.510		26.07	195	197	.1973
125	12.57	34.480								125	12.57	34.480		26.09	192	195	.2464
150	12.42	34.450								150	12.42	34.450		26.10	192	195	.2954
200	12.40	34.480								200	12.40	34.480		26.13	189	194	.3929
250	12.21	34.570															
KOREA ,JI RI SAN , STATION 209-07 , 35-368. N, 130-003. E, FEB.19.1979, 16.35 KST, DEPTH 250 , COLOR 3, TRANS. 15. ,																	
WAVE 3, SWELL 1, WIND S 3, BARO 1020. , AIR TEMP. DRY 10.5, WET . , CLOUD. TYPE , AMT , WEATHER B ,																	
0	13.35	34.550								0	13.35	34.550		25.99	202	202	.0000
10	12.72	34.540								10	12.72	34.540		26.11	191	191	.0197
20	12.68	34.530								20	12.68	34.530		26.11	191	191	.0388

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
30	12.55	34.450								30	12.55	34.450		26.08	194	195	.0582
50	12.70	34.410								50	12.70	34.410		26.01	200	201	.0978
75	12.50	34.430								75	12.50	34.430		26.07	195	196	.1476
100	12.39	34.460								100	12.39	34.460		26.11	191	193	.1964
125	12.30	34.520								125	12.30	34.520		26.18	184	187	.2440
150	11.80	34.490								150	11.80	34.490		26.25	178	181	.2901
200	6.20	34.490								200	6.20	34.490		27.15	93	95	.3594
250	3.30	34.540															

KOREA ,JI RI SAN , STATION 209-08 , 35-508. N, 130-169. E, FEB.19.1979, 18.25 KST, DEPTH 200 , COLOR , TRANS.

WAVE 3, SWELL 1, WIND S 3, BARO 1020. , AIR TEMP. DRY 9.5, WET , CLOUD. TYPE , AMT , WEATHER B ,

0	12.64	34.550								0	12.64	34.550		26.13	189	188	.0000
10	12.77	34.540								10	12.77	34.540		26.10	192	192	.0190
20	12.80	34.500								20	12.80	34.500		26.06	195	195	.0385
30	12.80	34.530								30	12.80	34.530		26.09	193	194	.0580
50	12.75	34.530								50	12.75	34.530		26.10	192	193	.0967
75	12.75	34.520								75	12.75	34.520		26.09	193	194	.1453
100	12.74	34.540								100	12.74	34.540		26.11	191	193	.1939
125	12.73	34.420								125	12.73	34.420		26.02	200	203	.2435
150	11.20	34.100								150	11.20	34.100		26.06	196	199	.2938
200	3.30	34.510															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,JI RI SAN , STATION 209-09 , 35-244. N, 130-335. E, FEB.19.1979, 20.10 KST, DEPTH 150 , COLOR , TRANS. . ,																	
WAVE 3, SWELL 1, WIND S 3, BARO 1020. , AIR TEMP. DRY 9.1, WET . , CLOUD. TYPE , AMT , WEATHER B ,																	
0	12.47	34.530								0	12.47	34.530		26.15	187	187	.0000
10	12.70	34.510								10	12.70	34.510		26.09	193	193	.0190
20	12.77	34.550								20	12.77	34.550		26.11	191	191	.0382
30	12.70	34.560								30	12.70	34.560		26.13	189	189	.0573
50	12.70	34.580								50	12.70	34.580		26.15	187	188	.0952
75	12.70	34.560								75	12.70	34.560		26.13	189	191	.1427
100	12.55	34.550								100	12.55	34.550		26.15	187	189	.1903
125	8.85	34.270								125	8.85	34.270		26.59	145	147	.2325
150	5.74	34.120															
KOREA ,JI RI SAN , STATION 209-10 , 35-178. N, 130-500. E, FEB.19.1979, 22.00 KST, DEPTH 140 , COLOR , TRANS. . ,																	
WAVE 3, SWELL 1, WIND S 3, BARO 1020. , AIR TEMP. DRY 10.2, WET . , CLOUD. TYPE , AMT , WEATHER B ,																	
0	13.58	34.640								0	13.58	34.640		26.02	200	200	.0000
10	13.50	34.640								10	13.59	34.640		26.03	198	198	.0200
20	13.64	34.600								20	13.64	34.600		25.97	204	204	.0401
30	13.70	34.640								30	13.70	34.640		25.99	202	203	.0605
50	13.85	34.700								50	13.85	34.700		26.01	201	202	.1011
75	13.51	34.630								75	13.51	34.630		26.02	199	201	.1516
100	13.30	34.600								100	13.30	34.600		26.04	197	200	.2018
125	12.54	34.520								125	12.54	34.520		26.13	189	192	.2509
135	6.12	34.470															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,JI RI SAN , STATION 209-11 , 35-114. N, 131-066. E, FEB.19.1979, 23.45 KST, DEPTH 140 , COLOR , TRANS. . ,																	
WAVE 3, SWELL 1, WIND S 3, BARO 1019. , AIR TEMP. DRY 10.1, WET . , CLOUD. TYPE , AMT , WEATHER B ,																	
0	13.48	34.680								0	13.48	34.680		26.07	195	195	.0000
10	13.86	34.670								10	13.86	34.670		25.98	203	203	.0200
20	13.86	34.670								20	13.86	34.670		25.98	203	204	.0403
30	13.90	34.660								30	13.90	34.660		25.96	205	205	.0608
50	13.90	34.700								50	13.90	34.700		25.99	202	203	.1017
75	13.75	34.670								75	13.75	34.670		26.00	201	203	.1526
100	13.55	34.610								100	13.55	34.610		26.00	202	204	.2035
125	13.50	34.620								125	13.50	34.620		26.02	200	203	.2545
135	13.50	34.610															
(March)																	
KOREA ,JI RI SAN , STATION 209-04 , 35-473. N, 129-328. E, MAR.22.1979, 10.40 KST, DEPTH 64 , COLOR 3, TRANS. 15. ,																	
WAVE 1, SWELL 1, WIND N 2, BARO 1023.5, AIR TEMP. DRY 12.8, WET . , CLOUD. TYPE AC, AMT 10, WEATHER C ,																	
	13.55	34.380								0	13.55	34.380		25.82	218	218	.0000
10	13.60	34.420								10	13.60	34.420		25.84	216	216	.0218
20	13.68	34.400								20	13.68	34.400		25.81	220	220	.0436
30	13.65	34.420								30	13.65	34.420		25.83	217	218	.0656
50	13.62	34.410								50	13.62	34.410		25.83	218	219	.1093
60	13.55	34.420															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,JI RI SAN , STATION 209-05 , 35-454. N, 129-384. E, MAR.22.1979, 09.40 KST, DEPTH 150 , COLOR 3, TRANS. 18. ,																	
WAVE 1, SWELL 1, WIND NW 2, BARO 1023. , AIR TEMP. DRY 15.8, WET . , CLOUD. TYPE AC, AMT 8, WEATHER C ,																	
0	13.33	34.410								0	13.33	34.410		25.89	212	212	.0000
10	13.60	34.390								10	13.60	34.390		25.82	219	219	.0216
20	13.58	34.410								20	13.58	34.410		25.84	217	217	.0434
30	13.52	34.400								30	13.52	34.400		25.84	216	217	.0651
50	13.48	34.400								50	13.48	34.400		25.85	216	217	.1086
75	13.30	34.400								75	13.30	34.400		25.89	212	214	.1625
100	13.21	34.410								100	13.21	34.410		25.91	210	212	.2158
125	13.10	34.400								125	13.10	34.400		25.93	208	211	.2689
145	10.62	34.220															
KOREA ,JI RI SAN , STATION 209-06 , 35-413. N, 129-490. E, MAR.22.1979, 08.20 KST, DEPTH 190 , COLOR 3, TRANS. 15. ,																	
WAVE 1, SWELL 1, WIND SW 2, BARO 1022.5, AIR TEMP. DRY 13.5, WET . , CLOUD. TYPE AC, AMT 8, WEATHER C ,																	
0	12.70	34.370								0	12.70	34.370		25.98	203	203	.0000
10	12.70	34.370								10	12.70	34.370		25.98	203	203	.0203
20	12.75	33.990								20	12.75	33.990		25.68	232	232	.0421
30	12.74	34.330								30	12.74	34.330		25.94	207	207	.0641
50	12.59	34.380								50	12.59	34.380		26.01	200	201	.1050
75	12.50	34.360								75	12.50	34.360		26.02	200	201	.1555
100	12.40	34.330								100	12.40	34.330		26.01	200	202	.2061
125	12.11	******								125	12.11	******		*****	***	***	******
150	11.44	34.320								150	11.44	34.320		26.19	184	187	******
185	10.78	34.250															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,JI RI SAN , STATION 209-07 , 35-368. N, 130-003. E, MAR.22.1979, 06.50 KST, DEPTH 250 , COLOR 3, TRANS. 17. ,																	
WAVE 1, SWELL 1, WIND W 2, BARO 1021.5, AIR TEMP. DRY 12.8, WET . , CLOUD. TYPE AC, AMT 3, WEATHER BC,																	
0	13.50	34.380								0	13.50	34.380		25.83	217	217	.0000
10	13.62	34.380								10	13.62	34.380		25.81	220	220	.0219
20	13.70	34.400								20	13.70	34.400		25.81	220	220	.0439
30	13.64	34.390								30	13.64	34.390		25.81	219	220	.0660
50	13.50	34.360								50	13.50	34.360		25.82	219	220	.1101
75	12.42	34.360								75	12.42	34.360		26.03	198	200	.1627
100	9.38	34.350								100	9.38	34.350		26.57	147	149	.2065
125	7.35	34.370								125	7.35	34.370		26.89	116	118	.2400
150	5.20	34.380								150	5.20	34.380		27.18	89	91	.2662
200	4.21	34.330								200	4.21	34.380		27.29	79	80	.3092
245	3.45	34.400															
KOREA ,JI RI SAN , STATION 209-08 , 35-308. N, 130-169. E, MAR.22.1979, 05.00 KST, DEPTH 200 , COLOR , TRANS. . ,																	
WAVE 1, SWELL 2, WIND SW 2, BARO 1020. , AIR TEMP. DRY 12.5, WET . , CLOUD. TYPE , AMT , WEATHER B ,																	
0	12.92	34.380								0	12.92	34.380		25.95	206	206	.0000
10	12.89	34.380								10	12.89	34.380		25.95	206	206	.0206
20	12.54	34.360								20	12.54	34.360		26.01	201	201	.0410

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA T	D-T	SVA	D-DY
30	11.90	34.330								30	11.90	34.330		26.11	191	192	.0607
50	11.89	34.320								50	11.89	34.320		26.10	192	193	.0992
75	10.35	34.140								75	10.35	34.140		26.24	179	180	.1459
100	8.55	34.090								100	8.55	34.090		26.50	154	156	.1880
125	7.21	34.350								125	7.21	34.350		26.90	116	118	.2223
150	6.21	34.340								150	6.21	34.340		27.03	104	106	.2505
175	5.39	34.210															

KOREA ,JI RI SAN , STATION 209-09 , 35-244. N, 130-335. E, MAR.22.1979, 03.00 KST, DEPTH 150 , COLOR , TRANS. . ,

WAVE 1, SWELL 2, WIND SW 3, BARO 1020. , AIR TEMP. DPY 12.1, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	13.11	34.390								0	13.11	34.390		25.92	209	209	.0000
10	13.20	******								10	13.20	******		*****	***	***	******
20	13.16	34.380								20	13.16	34.380		25.90	211	211	******
30	13.00	34.380								30	13.00	34.380		25.93	208	208	******
50	12.19	34.380								50	12.19	34.380		26.09	193	194	******
75	10.69	34.180								75	10.69	34.180		26.21	181	183	******
100	10.10	34.120								100	10.10	34.120		26.27	176	178	******
125	9.92	34.370								125	9.92	34.370		26.49	155	157	******
145	8.15	34.290															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	DDY
KOREA ,JI RI SAN , STATION 209-10 , 35-173. N, 130-500. E, MAR.22.1979, 01.10 KST, DEPTH 140 , COLOR , TRANS. . ,																	
WAVE 1, SWELL 2, WIND S 3, BARO 1020. , AIR TEMP. DRY 10.5, WET . , CLOUD. TYPE , AMT , WEATHER B ,																	
0	12.75	34.360								0	12.75	34.360		25.97	205	204	.0000
10	12.90	34.390								10	12.90	34.390		25.96	205	205	.0205
20	12.92	34.370								20	12.92	34.370		25.94	207	207	.0412
30	12.90	34.390								30	12.90	34.390		25.96	205	206	.0619
50	12.52	34.340								50	12.52	34.340		26.00	202	203	.1028
75	12.19	34.310								75	12.19	34.310		26.04	198	199	.1532
100	10.82	34.240								100	10.82	34.240		26.24	179	181	.2009
125	9.12	34.360								125	9.12	34.360		26.62	143	145	.2417
135	8.21	******															

4 월 (April)

KOREA ,JI RI SAN , STATION 209-04 , 35-473. N, 129-328. E, APR.16.1979, 14.20 KST, DEPTH 64 , COLOR 4, TRANS. 6. ,																	
WAVE 2, SWELL 3, WIND W 4, BARO 1010. , AIR TEMP. DRY 14.4, WET . , CLOUD. TYPE CU, AMT 4, WEATHER BC,																	
0	12.79	34.270								0	12.79	34.270		25.89	212	212	.0000
10	12.71	34.310								10	12.71	34.310		25.94	208	207	.0210
20	12.69	34.360								20	12.69	34.360		25.98	203	204	.0416
30	12.56	34.300								30	12.56	34.300		25.96	205	206	.0621
50	11.65	34.270								50	11.65	34.270		26.11	191	192	.1020
60	8.99	34.160															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA ,JI RI SAN , STATION 209-05 , 35-454. N, 129-384. E, APR.16.1979, 13.30 KST, DEPTH 150 , COLOR 3, TRANS. 10. ,																	
WAVE 3, SWELL 2, WIND W 4, BARO 1009. , AIR TEMP. DRY 13.9, WET . , CLOUD. TYPE CC, AMT 6, WEATHER BC,																	
0	13.51	34.350								0	13.51	34.350		25.81	220	220	.0000
10	14.12	34.360								10	14.12	34.360		25.69	231	231	.0226
20	13.98	34.350								20	13.98	34.350		25.71	229	229	.0457
30	14.01	34.340								30	14.01	34.340		25.69	230	231	.0687
50	13.89	34.350								50	13.89	34.350		25.73	227	228	.1147
75	13.78	34.340								75	13.78	34.340		25.74	226	228	.1719
100	12.50	34.230								100	12.50	34.230		25.91	209	212	.2269
125	12.42	34.010								125	12.42	34.010		25.76	224	227	.2818
145	12.10	33.870															
KOREA ,JI RI SAN , STATION 209-06 , 35-413. N, 129-490. E, APR.16.1979, 12.15 KST, DEPTH 250 , COLOR 3, TRANS. 12. ,																	
WAVE 3, SWELL 2, WIND NW 4, BARO 1018. , AIR TEMP. DRY 11.8, WET . , CLOUD. TYPE CC, AMT 4, WEATHER BC,																	
0	14.32	34.380								0	14.32	34.380		25.66	234	235	.0000
10	14.29	34.370								10	14.29	34.370		25.66	234	234	.0234
20	14.27	34.360								20	14.27	34.360		25.65	234	234	.0469
30	14.24	34.360								30	14.24	34.360		25.66	234	234	.0703
50	14.19	34.350								50	14.19	34.350		25.66	233	234	.1173
75	13.61	34.330								75	13.61	34.330		25.77	223	225	.1743
100	13.12	34.360								100	13.12	34.360		25.89	212	214	.2298
125	12.62	34.360								125	12.62	34.360		25.99	202	205	.2823
150	12.12	34.350								150	12.12	34.350		26.08	194	197	.3326
200	11.92	34.330								200	11.92	34.330		26.10	192	196	.4311
245	10.73	34.350															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,JI RI SAN , STATION 209-07 , 35-368. N, 130-003. E, APR.16.1979, 10.55 KST, DEPTH 250 , COLOR 3, TRANS. 10.																	
WAVE 3, SWELL 2, WIND W 4, BARO 1007. , AIR TEMP. DRY 11.8, WET . , CLOUD. TYPE CC, AMT 4, WEATHER BC,																	
0	14.21	34.370								0	14.21	34.370		25.68	232	232	.0000
10	14.31	34.380								10	14.31	34.380		25.66	234	233	.0233
20	14.35	34.380								20	14.35	34.380		25.65	234	235	.0466
30	14.40	34.400								30	14.40	34.400		25.66	234	234	.0703
50	14.21	34.380								50	14.21	34.380		25.68	232	233	.1171
75	13.92	34.380								75	13.92	34.380		25.74	226	227	.1747
100	13.02	34.370								100	13.02	34.370		25.92	209	211	.2296
125	12.31	34.370								125	12.31	34.370		26.06	196	198	.2810
150	12.02	34.370								150	12.02	34.370		26.12	190	194	.3301
200	11.97	34.340								200	11.97	34.340		26.10	192	196	.4278
245	10.21	34.330															
KOREA ,JI RI SAN , STATION 209-08 , 35-308. N, 130-169. E, APR.16.1979, 09.10 KST, DEPTH 200 , COLOR 3, TRANS. 12. ,																	
WAVE 3, SWELL 3, WIND SW 4, BARO 1006. , AIR TEMP. DRY 12.4, WET . , CLOUD. TYPE CU, AMT 10, WEATHER C ,																	
0	13.28	34.380								0	13.28	34.380		25.88	213	213	.0000
10	13.31	34.400								10	13.31	34.400		25.88	212	212	.0213
20	13.54	34.440								20	13.54	34.440		25.87	214	214	.0427
30	13.62	34.380								30	13.62	34.380		25.81	220	220	.0644
50	13.49	34.370								50	13.49	34.370		25.83	218	219	.1085
75	13.34	34.390								75	13.34	34.390		25.87	214	215	.1629
100	12.89	34.340								100	12.89	34.340		25.92	209	211	.2163
125	12.21	34.340								125	12.21	34.340		26.06	196	199	.2676
150	11.92	34.320								150	11.92	34.320		26.10	192	196	.3170
195	10.12	34.240															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,JI RI SAN , STATION 209-09 , 35-244. N, 130-335. E, APR.16.1979, 07.20 KST, DEPTH 150 , COLOR , TRANS. . .																	
WAVE 3, SWELL 3, WIND SW 4, BARO 1006. , AIR TEMP. DRY 11.2, WET . , CLOUD. TYPE CU, AMT 10, WEATHER C ,																	
0	13.20	34.400								0	13.20	34.400		25.91	210	210	.0000
10	13.50	34.390								10	13.50	34.390		25.84	217	217	.0214
20	13.48	34.390								20	13.48	34.390		25.84	216	217	.0431
30	13.50	34.380								30	13.50	34.380		25.83	217	218	.0649
50	13.47	34.380								50	13.47	34.380		25.84	217	216	.1085
75	13.45	34.380								75	13.45	34.380		25.84	216	218	.1632
100	12.92	34.340								100	12.92	34.340		25.92	209	211	.2170
125	12.20	34.320								125	12.20	34.320		26.04	197	200	.2686
145	11.40	34.230															
KOREA ,JI RI SAN , STATION 209-10 , 35-173. N, 130-500. E, APR.16.1979, 05.35 KST, DEPTH 140 , COLOR , TRANS.																	
WAVE 3, SWELL 3, WIND W 4, BARO 1003. , AIR TEMP. DRY 12.2, WET . , CLOUD. TYPE , AMT , WEATHER C ,																	
0	13.23	34.400								0	13.23	34.400		25.90	211	210	.0000
10	13.61	34.380								10	13.61	34.380		25.81	220	220	.0216
20	13.05	34.380								20	13.09	34.380		25.92	209	209	.0430
30	13.44	34.380								30	13.44	34.380		25.84	216	217	.0644
50	13.70	34.380								50	13.70	34.380		25.79	221	222	.1084
75	13.62	34.380								75	13.62	34.380		25.81	220	221	.1640
100	13.71	34.380								100	13.71	34.380		25.79	222	224	.2198
125	13.71	34.390								125	13.71	34.390		25.80	221	224	.2759
135	13.70	34.410															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D DY

KOREA ,JEJU DO SEA , STATION 209-11 , 33-114. N, 131-066. E, APR.16.1979, 03.50 KST, DEPTH 140 , COLOR , TRANS. . ,

WAVE 3, SWELL 2, WIND W 4, BARO 1010. , AIR TEMP. DRY 11.5, WET . , CLOUD. TYPE , AMT , WEATHER C ,

0	11.95	******				0	11.95	******	*****	***	***	.0000
10	13.81	34.370				10	13.81	34.380	25.77	224	224	******
20	13.50	34.410				20	13.50	34.410	25.85	215	215	******
30	13.83	34.490				30	13.83	34.490	25.85	216	216	******
50	13.89	34.420				50	13.89	34.420	25.78	222	223	******
75	13.81	34.410				75	13.81	34.410	25.79	221	223	******
100	13.81	34.400				100	13.81	34.400	25.78	222	224	******
125	13.80	34.410				125	13.80	34.410	25.79	221	224	******
139	13.25	34.510										

6 월 (June)

KOREA ,HAN RA SAN , STATION 209-04 , 35-473. N, 129-[illegible]. E, JUN.15.1979, 12.30 KST, DEPTH 64 , COLOR 5, TRANS. 15. ,

WAVE 1, SWELL , WIND SW 2, BARO 1012.6, AIR TEMP. DRY [illegible].0, WET . , CLOUD. TYPE AS, AMT 10, WEATHER C ,

0	19.54	33.650				0	19.54	33.650	23.87	404	404	.0000
10	16.02	33.940				10	16.02	33.940	24.87	309	309	.0357
20	14.99	34.050				20	14.99	34.050	25.26	272	272	.0647
30	14.29	34.210				30	14.29	34.210	25.54	246	246	.0907
50	14.22	34.300				50	14.22	34.300	25.62	238	239	.1393
60	14.43	34.290										

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA ,HAN RA SAN , STATION 209-05 , 35-454. N, 129-384. E, JUN.15.1979, 11.50 KST, DEPTH 150 , COLOR 4, TRANS. 15. ,																	
WAVE 1, SWELL , WIND SW 2, BARO 1013. , AIR TEMP. DRY 22.3, WET . , CLOUD. TYPE AS, AMT 10, WEATHER C ,																	
0	19.68	33.630								0	19.68	33.630		23.82	409	408	.0000
10	18.51	33.710								10	18.51	33.710		24.18	375	375	.0392
20	16.06	34.060								20	16.06	34.060		25.03	294	294	.0727
30	15.46	34.160								30	15.46	34.160		25.24	273	274	.1011
50	15.34	34.280								50	15.34	34.280		25.36	262	263	.1549
75	14.52	34.290								75	14.52	34.290		25.55	244	246	.2187
100	10.42	34.250								100	10.42	34.250		26.31	172	173	.2713
125	8.25	34.220								125	8.25	34.220		26.64	140	142	.3108
145	3.42	34.040															
KOREA ,HAN RA SAN , STATION 209-06 , 35-413. N, 129-490. E, JUN.15.1979, 10.40 KST, DEPTH 250 , COLOR 4, TRANS. 15. ,																	
WAVE 1, SWELL , WIND SW 2, BARO 1014. , AIR TEMP. DRY 23.5, WET . , CLOUD. TYPE AS, AMT 10, WEATHER C ,																	
0	19.92	34.000								0	19.92	34.000		24.04	388	388	.0000
10	18.69	33.980								10	18.69	33.980		24.34	359	359	.0374
20	17.69	34.170								20	17.69	34.170		24.73	322	322	.0715
30	16.40	34.260								30	16.40	34.260		25.11	286	287	.1020
50	17.65	34.250								50	17.65	34.250		24.80	315	316	.1625
75	16.03	34.310								75	16.03	34.310		25.23	275	276	.2367
100	15.22	34.410								100	15.22	34.410		25.49	250	253	.3030
125	12.33	34.290								125	12.33	34.290		25.99	202	205	.3602
150	10.33	34.300								150	10.33	34.300		26.37	166	169	.4071
200	1.84	34.170								200	1.84	34.170		27.34	74	75	.4683
245	1.35	33.990															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,HAN RA SAN , STATION 209-07 , 35-366. N, 130-003. E, JUN.15.1979, 09.30 KST, DEPTH 250 , COLOR 4, TRANS. 15. ,																	
WAVE 1, SWELL , WIND SW 2, BARO 1014. , AIR TEMP. DRY 22.6, WET . , CLOUD. TYPE AS, AMT 10, WEATHER C ,																	
0	20.28	34.100								0	20.28	34.100		24.02	390	389	.0000
10	19.88	34.150								10	19.88	34.150		24.17	376	376	.0383
20	19.00	34.250								20	19.00	34.250		24.47	347	347	.0745
30	17.35	34.230								30	17.35	34.230		24.86	310	310	.1075
50	16.57	34.240								50	16.57	34.240		25.05	292	293	.1679
75	15.76	34.290								75	15.76	34.290		25.28	270	272	.2386
100	15.10	34.360								100	15.10	34.360		25.48	251	254	.3045
125	13.40	34.330								125	13.40	34.330		25.81	219	222	.3641
150	18.80	34.250								150	18.80	34.250		24.52	342	347	.4353
200	17.59	34.250								200	17.59	34.250		24.82	314	320	.6021
240	16.25	34.220															
KOREA ,HAN RA SAN , STATION 209-08 , 35-303. N, 130-169. E, JUN.15.1979, 07.50 KST, DEPTH 200 , COLOR 4, TRANS. 22. ,																	
WAVE 1, SWELL , WIND SW 2, BARO 1014. , AIR TEMP. DRY 22.4, WET . , CLOUD. TYPE AS, AMT 10, WEATHER C ,																	
0	20.22	34.310								0	20.22	34.310		24.20	373	373	.0000
10	18.60	34.250								10	18.60	34.250		24.57	338	336	.0356
20	16.96	34.250								20	16.96	34.250		24.97	300	300	.0675
30	16.94	34.270								30	16.94	34.270		24.99	298	298	.0974
50	16.66	******								50	16.66	******		*****	***	***	******
75	15.72	34.290								75	15.72	34.290		25.28	269	271	******
100	15.30	34.320								100	15.30	34.320		25.40	258	261	******
125	15.05	34.310								125	15.05	34.310		25.45	254	257	******
150	13.80	34.330								150	13.80	34.330		25.73	227	231	******
195	13.30	34.340															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,HAN RA SAN , STATION 209-09 , 35-244. N, 130-335. E, JUN.15.1979, 06.10 KST, DEPTH 150 , COLOR , TRANS.																	
WAVE 1, SWELL , WIND SW 2, BARO 1013. , AIR TEMP. DRY 20.1, WET . , CLOUD. TYPE AS, AMT 9, WEATHER C ,																	
0	20.30	34.280								0	20.30	34.280		24.15	377	377	.0000
10	19.47	34.250								10	19.47	34.250		24.35	359	359	.0368
20	17.25	34.250								20	17.25	34.250		24.90	306	306	.0701
30	15.77	34.090								30	15.77	34.090		25.12	285	286	.0998
50	15.20	34.260								50	15.20	34.260		25.38	261	262	.1546
75	14.78	34.250								75	14.78	34.250		25.46	253	254	.2192
100	14.50	34.470								100	14.50	34.470		25.69	231	233	.2803
125	14.30	34.330								125	14.30	34.330		25.63	237	240	.3396
145	12.78	34.410															
KOREA ,HAN RA SAN , STATION 209-10 , 35-178. N, 130-500. E, JUN.15.1979, 04.30 KST, DEPTH 140 , COLOR , TRANS.																	
WAVE 1, SWELL , WIND SW 2, BARO 1013. , AIR TEMP. DRY 18.8, WET . , CLOUD. TYPE , AMT , WEATHER																	
0	19.24	33.990								0	19.24	33.990		24.21	372	372	.0000
10	18.19	33.880								10	18.19	33.880		24.39	355	355	.0364
20	17.80	33.890								20	17.80	33.890		24.49	345	345	.0714
30	16.65	34.240								30	16.65	34.240		25.03	293	294	.1034
50	16.21	34.270								50	16.21	34.270		25.16	281	283	.1612
75	15.89	34.280								75	15.89	34.280		25.24	274	276	.2311
100	14.55	34.340								100	14.55	34.340		25.58	241	244	.2961
125	14.00	34.330								125	14.00	34.330		25.69	231	234	.3560
135	11.25	34.370															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	19.16	34.310								0	19.16	34.310		24.47	347	346	.0000
10	18.60	34.320								10	18.60	34.320		24.62	332	332	.0340
20	18.71	34.320								20	18.71	34.320		24.59	335	335	.0674
30	17.88	34.360								30	17.88	34.360		24.83	313	313	.0999
50	15.60	34.340								50	15.60	34.340		25.35	263	264	.1578
75	14.47	34.420								75	14.47	34.420		25.66	234	236	.2204
100	12.80	34.380								100	12.80	34.380		25.97	204	206	.2757
125	7.77	34.180								125	7.77	34.180		26.68	136	138	.3189
135	5.90	34.100															

KOREA ,HAN RA SAN , STATION 209-11 , 35-114. N, 131-066. E, JUN.15.1979, 02.50 KST, DEPTH 140 , COLOR , TRANS. . ,

WAVE 1, SWELL , WIND SE 2, BARO 1012. , AIR TEMP. DRY 20.2, WET . , CLOUD. TYPE , AMT , WEATHER ,

8월 (August)

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	23.35	33.440								0	23.35	33.440		22.67	518	518	.0000
10	15.90	34.080								10	15.90	34.080		25.08	289	289	.0404
20	15.00	34.270								20	15.00	34.270		25.43	256	256	.0677
30	14.12	34.290								30	14.12	34.290		25.63	236	237	.0924
50	12.29	34.290								50	12.29	34.290		26.00	201	202	.1363
60	10.19	34.300															

KOREA ,JI RI SAN , STATION 209-04 , 35-473. N, 129-328. E, AUG.14.1979, 16.15 KST, DEPTH 64 , COLOR 3, TRANS. 6. ,

WAVE 1, SWELL 1, WIND SE 1, BARO 1006.5, AIR TEMP. DRY 28.9, WET . , CLOUD. TYPE , AMT , WEATHER F ,

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,JI RI SAN , STATION 209-05 , 35-454. N, 129-384. E, AUG.14.1979, 17.00 KST, DEPTH 150 , COLOR 3, TRANS. 8. ,																	
WAVE 1, SWELL 1, WIND SE 1, BARO 1006.5, AIR TEMP. DRY 28.0, WET . , CLOUD. TYPE , AMT , WEATHER F ,																	
0	22.31	33.340								0	22.31	33.340		22.89	497	497	.0000
10	19.32	33.750								10	19.32	33.750		24.01	391	391	.0445
20	19.02	34.050								20	19.02	34.050		24.31	362	362	.0822
30	14.75	34.100								30	14.75	34.100		25.35	263	263	.1135
50	13.20	34.170								50	13.20	34.170		25.73	227	228	.1628
75	11.18	34.290								75	11.18	34.290		26.21	181	183	.2143
100	6.11	34.340								100	6.11	34.340		27.04	103	104	.2502
125	4.41	34.180								125	4.41	34.180		27.11	96	97	.2754
150	2.70	34.150															
KOREA ,JI RI SAN , STATION 209-06 , 35-413. N, 129-490. E, AUG.14.1979, 18.25 KST, DEPTH 250 , COLOR 3, TRANS. 14.																	
WAVE 1, SWELL 1, WIND SE 2, BARO 1006.5, AIR TEMP. DRY 28.2, WET . , CLOUD. TYPE AC, AMT 2, WEATHER B ,																	
0	26.47	32.200								0	26.47	32.200		20.80	698	697	.0000
10	22.49	32.810								10	22.49	32.810		22.44	541	541	.0619
20	19.19	33.370								20	19.19	33.370		23.75	416	416	.1098
30	16.01	33.930								30	16.01	33.930		24.94	302	302	.1458
50	13.72	34.090								50	13.72	34.090		25.56	243	244	.2005
75	13.09	34.280								75	13.09	34.280		25.84	217	218	.2585
100	11.39	34.330								100	11.39	34.330		26.20	182	184	.3124
125	9.87	34.250								125	9.87	34.250		26.41	163	165	.3527
150	6.87	34.170								150	6.87	34.170		26.80	125	127	.3893
200	4.98	34.130								200	4.98	34.130		27.01	106	107	.4481
250	1.70	34.050															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,JI RI SAN , STATION 209-07 , 35-368. N, 130-003. E, AUG.14.1979, 19.45 KST, DEPTH 250 , COLOR , TRANS. , ,																	
WAVE 1, SWELL 1, WIND SE 2, BARO 1007. , AIR TEMP. DRY 27.1, WET , , CLOUD. TYPE , AMT , WEATHER B ,																	
0	27.49	32.100								0	27.49	32.100		20.40	736	736	.0000
10	25.58	32.410								10	25.58	32.410		21.23	656	656	.0696
20	22.99	32.790								20	22.99	32.790		22.29	556	556	.1303
30	18.38	33.360								30	18.38	33.360		23.94	397	398	.1780
50	16.90	33.970								50	16.90	33.970		24.77	319	320	.2498
75	16.30	34.210								75	16.30	34.210		25.09	288	290	.3261
100	14.51	34.410								100	14.51	34.410		25.64	235	238	.3922
125	13.08	34.400								125	13.08	34.400		25.93	208	211	.4484
150	7.78	34.220								150	7.78	34.220		26.71	134	136	.4918
200	6.61	34.190								200	6.61	34.190		26.86	120	123	.5567
250	1.31	34.040															
KOREA ,JI RI SAN , STATION 209-08 , 35-308. N, 130-169. E, AUG.14.1979, 21.40 KST, DEPTH 200 , COLOR , TRANS. , ,																	
WAVE 1, SWELL 1, WIND SE 3, BARO 1008. , AIR TEMP. DRY 26.0, WET , , CLOUD. TYPE , AMT , WEATHER B ,																	
0	27.75	32.410								0	27.75	32.410		20.55	722	721	.0000
10	26.60	32.380								10	26.60	32.380		20.90	689	689	.0705
20	24.75	32.840								20	24.75	32.840		21.81	601	601	.1351
30	19.80	32.410								30	19.80	32.410		22.86	500	501	.1905
50	16.28	34.020								50	16.28	34.020		24.95	301	302	.2707
75	16.07	34.240								75	16.07	34.240		25.17	281	282	.3439
100	15.62	34.360								100	15.62	34.360		25.36	262	265	.4124
125	10.70	34.290								125	10.70	34.290		26.30	173	176	.4676
150	5.28	34.200								150	5.28	34.200		27.03	104	105	.5028
200	1.31	34.040															

DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,JI RI SAN , STATION 209-09 , 35-244. N, 130-335. E, AUG.14.1979, 23.30 KST, DEPTH 150 , COLOR , TRANS.

WAVE 1, SWELL 1, WIND SE 3, BARO 1003. , AIR TEMP. DRY 26.9, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	27.39	32.580								0	27.39	32.580		20.80	698	698	.0000
10	26.21	32.470								10	26.21	32.470		21.09	670	670	.0685
20	25.10	32.940								20	25.10	32.940		21.78	604	604	.1323
30	22.30	33.800								30	22.30	33.800		23.24	464	465	.1858
50	18.87	34.300								50	18.87	34.300		24.54	340	342	.2665
75	17.79	34.340								75	17.79	34.340		24.84	312	314	.3485
100	17.51	34.400								100	17.51	34.400		24.95	301	304	.4259
125	15.21	34.370								125	15.21	34.370		25.46	253	256	.4960
150	8.21	******															

KOREA ,JI RI SAN , STATION 209-10 , 35-178. N, 130-500. E, AUG.15.1979, 01.25 KST, DEPTH 140 , COLOR , TRANS.

WAVE 1, SWELL 2, WIND NE 3, BARO 1007.5, AIR TEMP. DRY 26.8, WET . , CLOUD. TYPE , AMT , WEATHER

0	25.55	32.580								0	25.55	32.580		21.37	643	643	.0000
10	25.17	32.440								10	25.17	32.440		21.38	642	642	.0643
20	23.27	32.830								20	23.27	32.830		22.24	560	561	.1245
30	20.16	33.430								30	20.16	33.430		23.54	435	436	.1743
50	17.82	34.040								50	17.82	34.040		24.60	334	336	.2516
75	16.75	34.130								75	16.75	34.180		24.96	300	302	.3314
100	16.00	34.210								100	16.00	34.210		25.16	281	284	.4047
125	15.72	34.330								125	15.72	34.330		25.32	266	270	.4741
135	13.15	34.370															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,JI RI SAN , STATION 209-11 , 35-114. N, 131-066. E, AUG.15.1979, 03.15 KST, DEPTH 140 , COLOR , TRANS. . ,

WAVE 2, SWELL 2, WIND NE 3, BARO 1007. , AIR TEMP. DRY 26.4, WET . , CLOUD. TYPE , AMT , WEATHER C ,

0	27.30	32.530								0	27.30	32.530		20.79	699	699	.0000
10	25.34	32.450								10	25.34	32.450		21.34	646	646	.0473
20	24.10	32.530								20	24.10	32.530		21.77	605	605	.1299
30	22.20	33.210								30	22.20	33.210		22.83	504	504	.1855
50	17.78	33.950								50	17.78	33.950		24.54	340	341	.2702
75	17.08	34.110								75	17.08	34.110		24.83	312	314	.3522
100	16.20	34.250								100	16.20	34.250		25.14	283	285	.4273
125	15.63	34.330								125	15.63	34.330		25.34	265	268	.4966
135	15.10	34.380															

10 월 (October)

KOREA ,JI II SAN , STATION 209-04 , 35-473. N, 129-328. E, OCT.12.1979, 02.40 KST, DEPTH 64 , COLOR , TRANS. . ,

WAVE 2, SWELL 2, WIND NE 3, BARO 1019. , AIR TEMP. DRY 17.7, WET . , CLOUD. TYPE , AMT , WEATHER C ,

0	20.72	33.210								0	20.72	33.210		23.23	465	465	.0000
10	21.12	33.510								10	21.12	33.510		23.35	454	454	.0460
20	21.15	33.480								20	21.15	33.480		23.32	457	457	.0916
30	21.10	33.960								30	21.10	33.960		23.70	421	421	.1356
50	18.72	33.990								50	18.72	33.990		24.34	359	360	.2138
60	14.21	34.050															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA	,JI FI SAN , STATION 209-05 , 35-454. N, 129-384. E, OCT.12.1979, 01.45 KST, DEPTH 150 , COLOR , TRANS. , ,																
WAVE	2, SWELL 2, WIND NE 3, BARO 1019. , AIR TEMP. DRY 17.9, WET . , CLOUD. TYPE , AMT , WEATHER R ,																
0	21.01	33.560								0	21.01	33.560		23.42	447	447	.0000
10	21.33	33.610								10	21.33	33.610		23.36	453	453	.0451
20	21.73	33.870								20	21.73	33.870		23.46	444	444	.0900
30	21.51	34.350								30	21.51	34.350		23.88	403	404	.1324
50	21.47	34.180								50	21.47	34.180		23.76	414	416	.2145
75	20.72	34.350								75	20.72	34.350		24.10	383	385	.3146
100	19.97	34.510								100	19.97	34.510		24.42	352	355	.4072
125	16.72	34.180								125	16.72	34.180		24.97	299	303	.4896
150	11.21	33.960															
KOREA	,JI FI SAN , STATION 209-06 , 35-413. N, 129-490. E, OCT.12.1979, 00.25 KST, DEPTH 250 , COLOR , TRANS. , ,																
WAVE	2, SWELL 2, WIND NE 3, BARO 1018. , AIR TEMP. DRY 18.7, WET . , CLOUD. TYPE , AMT , WEATHER R ,																
0	21.04	33.320								0	21.04	33.320		23.23	465	465	.0000
10	21.83	33.370								10	21.83	33.370		23.05	482	482	.0474
20	21.92	33.530								20	21.92	33.530		23.15	473	474	.0953
30	21.82	33.570								30	21.82	33.570		23.20	468	469	.1424
50	21.15	33.870								50	21.15	33.870		23.69	420	430	.2323
75	21.02	34.350								75	21.02	34.350		24.01	390	392	.3353
100	21.01	34.380								100	21.01	34.380		24.04	388	391	.4333
125	20.92	34.500								125	20.92	34.500		24.16	377	381	.5299
150	17.62	34.260								150	17.62	34.260		24.42	314	319	.6173
200	13.29	33.960								200	13.29	33.960		25.55	244	249	.7595
250	9.89	33.870															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA ,JI RI SAN , STATION 209-07 , 35-368. N, 130-[illegible]3. E, OCT.11.1979, 23.00 KST, DEPTH 250 , COLOR , TRANS.																	
WAVE 2, SWELL 2, WIND NE 3, BARO 1018. , AIR TEMP. DRY 19.0, WET . , CLOUD. TYPE , AMT , WEATHER R ,																	
0	21.62	33.470								0	21.62	33.470		23.18	470	469	.0000
10	21.73	33.46								10	21.73	33.460		23.15	473	473	.0472
20	21.75	33.490								20	21.75	33.490		23.16	472	472	.0945
30	21.63	33.760								30	21.63	33.760		23.40	449	450	.1406
50	21.12	33.810								50	21.12	33.810		23.58	432	433	.2290
75	20.92	33.870								75	20.92	33.870		23.68	423	425	.3364
100	19.32	34.110								100	19.32	34.110		24.28	365	368	.4356
125	18.12	34.110								125	18.12	34.110		24.58	336	340	.5242
150	14.38	34.290								150	14.38	34.290		25.58	242	245	.5974
200	12.25	34.550								200	12.25	34.550		26.21	181	186	.7055
250	9.32	34.380															
KOREA ,JI RI SAN , STATION 209-08 , 35-308. N, 130-169. E, OCT.11.1979, 21.10 KST, DEPTH 200 , COLOR , TRANS. . ,																	
WAVE 2, SWELL 2, WIND NE 3, BARO 1017.5, AIR TEMP. DRY 19.1, WET . , CLOUD. TYPE AMT , WEATHER R ,																	
0	21.83	33.520								0	21.83	33.520		23.16	472	471	.0000
10	21.87	33.520								10	21.87	33.520		23.15	473	473	.0472
20	21.86	33.540								20	21.86	33.540		23.17	471	471	.0945
30	21.82	33.680								30	21.82	33.680		23.29	460	460	.1411
50	21.82	33.870								50	21.82	33.870		23.43	446	447	.2320
75	20.12	34.050								75	20.12	34.050		24.03	389	391	.3369
100	19.75	34.330								100	19.75	34.330		24.34	360	363	.4315
125	16.85	34.380								125	16.85	34.380		25.09	288	291	.5131
150	13.15	34.440								150	13.15	34.440		25.95	206	210	.5758
200	10.72	34.220															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA ,JI RI SAN , STATION 209-09 , 35-244. N, 130-335. E, OCT.11.1979, 19.15 KST, DEPTH 150 , COLOR , TRANS.																	
WAVE 2, SWELL 2, WIND NE 3, BARO 1017. , AIR TEMP. DRY 20.1, WET . , CLOUD. TYPE , AMT , WEATHER R ,																	
0	21.82	33.710								0	21.82	33.710		23.31	458	457	.0000
10	21.83	33.790								10	21.83	33.790		23.37	452	452	.0455
20	21.89	33.820								20	21.89	33.820		23.37	451	452	.0908
30	21.90	33.900								30	21.90	33.900		23.43	446	447	.1357
50	21.82	34.220								50	21.82	34.220		23.70	421	422	.2227
75	20.92	34.370								75	20.92	34.370		24.06	386	388	.3241
100	18.72	34.490								100	18.72	34.490		24.72	323	326	.4135
125	15.63	34.540								125	15.63	34.540		25.50	249	252	.4859
150	12.93	34.360															
KOREA ,JI RI SAN , STATION 209-10 , 35-178. N, 130-500. E, OCT.11.1979, 17.25 KST, DEPTH 140 , COLOR 2, TRANS. 18.																	
WAVE 1, SWELL 1, WIND NE 2, BARO 1017. , AIR TEMP. DRY 27.4, WET . , CLOUD. TYPE , AMT , WEATHER B ,																	
0	21.88	33.530								0	21.88	33.530		23.16	472	472	.0000
10	21.88	33.510								10	21.88	33.510		23.14	474	474	.0473
20	21.90	33.540								20	21.90	33.540		23.16	472	472	.0947
30	21.90	33.630								30	21.90	33.630		23.23	465	466	.1417
50	21.89	34.290								50	21.89	34.290		23.73	417	419	.2362
75	21.41	34.570								75	21.41	34.570		24.08	385	387	.3311
100	17.65	34.250								100	17.65	34.250		24.80	315	318	.4193
125	15.90	34.240								125	15.90	34.240		25.21	277	280	.4942
135	13.95	34.360															

OBSERVED									INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA ,JI RI SAN , STATION 209-11 , 35-114. N, 131-066. E, OCT.11.1979, 15.30 KST, DEPTH 140 , COLOR 2, TRANS. 18. ,																
WAVE 1, SWELL 1, WIND NE 2, BARO 1017. AIR TEMP. DRY 26.7, WET . , CLOUD. TYPE AMT , WEATHER B ,																
0	21.66	33.520							0	21.66	33.520		23.21	467	467	.0000
10	21.68	33.630							10	21.68	33.630		23.29	460	460	.0464
20	21.60	33.630							20	21.60	33.630		23.31	458	458	.0923
30	21.45	33.570							30	21.45	33.570		23.31	458	459	.1382
50	21.40	33.610							50	21.40	33.610		23.35	454	455	.2297
75	19.30	33.970							75	19.30	33.970		24.18	375	377	.3338
100	15.37	34.330							100	15.37	34.330		25.39	259	262	.4137
125	12.34	34.370							125	12.34	34.370		26.05	196	199	.4714
135	9.55	33.430														

-699-

12월 (December)

KOREA ,JI RI SAN STATION 209-04 , 35-473. N, 129-328. E, DEC. 9.1979, 17.35 KST, DEPTH 64 , COLOR , TRANS. . ,

WAVE 2, SWELL 2, WIND W 4, BARO 1022.5, AIR TEMP. DRY 11.4, WET . , CLOUD. TYPE , AMT , WEATHER C ,

0	16.20	34.430							0	16.20	34.430		25.28	270	269	.0000
10	16.03	34.400							10	16.03	34.400		25.30	268	268	.0269
20	16.18	34.350							20	16.18	34.350		25.23	275	275	.0541
30	15.67	34.390							30	15.67	34.390		25.37	261	262	.0810
50	14.76	34.430							50	14.76	34.430		25.60	239	240	.1313
60	14.12	34.470														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,JI RI SAN , STATION 209-05 , 35-454. N, 129-384. E, DEC. 9.1979, 16.45 KST, DEPTH 150 , COLOR 3, TRANS. 15. ,																	
WAVE 2, SWELL 2, WIND W 4, BARO 1023. , AIR TEMP. DRY 11.5, WET . , CLOUD. TYPE CI, AMT 6, WEATHER BC,																	
0	16.60	34.420								0	16.60	34.420		25.18	279	279	.0000
10	16.73	34.450								10	16.73	34.450		25.18	280	280	.0280
20	16.64	34.420								20	16.64	34.420		25.17	280	280	.0560
30	16.40	34.450								30	16.40	34.450		25.25	273	273	.0838
50	16.40	34.590								50	16.40	34.590		25.36	262	263	.1375
75	13.70	34.580								75	13.70	34.580		25.94	207	208	.1966
100	12.40	34.510								100	12.40	34.510		26.15	187	189	.2464
125	3.13	34.200								125	3.13	34.200		27.26	82	83	.2805
145	2.04	34.160															
KOREA ,JI RI SAN , STATION 209-06 , 35-413. N, 129-490. E, DEC. 9.1979, 15.25 KST, DEPTH 250 , COLOR 3, TRANS. 18. ,																	
WAVE 2, SWELL 2, WIND W 4, BARO 1023. , AIR TEMP. DRY 12.5, WET . , CLOUD. TYPE CI, AMT 4, WEATHER BC,																	
0	17.11	34.470								0	17.11	34.470		25.10	287	287	.0000
10	17.38	34.480								10	17.38	34.480		25.04	292	292	.0290
20	17.35	34.460								20	17.35	34.460		25.04	293	293	.0583
30	16.57	34.390								30	16.57	34.390		25.17	281	281	.0871
50	16.40	34.590								50	16.40	34.590		25.36	262	263	.1417
75	12.60	34.520								75	12.60	34.520		26.12	190	192	.1987
100	6.10	34.260								100	6.10	34.260		26.98	109	110	.2365
125	3.80	34.160								125	3.80	34.160		27.16	91	92	.2618
150	1.85	34.150								150	1.85	34.150		27.32	76	76	.2829
200	1.05	34.120								200	1.05	34.120		27.36	73	73	.3203
245	.85	34.420															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA ,JI RI SAN , STATION 209-07 , 35-368. N, 130-103. E, DEC. 9.1979, 14.00 KST, DEPTH 250 , COLOR 3, TRANS. 17.																	
WAVE 3, SWELL 2, WIND NW 4, BARO 1023. , AIR TEMP. DRY 12.1, WET . , CLOUD. TYPE CI, AMT 5, WEATHER BC,																	
0	18.33	34.560								0	18.33	34.560		24.87	309	308	.0000
10	18.50	34.530								10	18.50	34.530		24.81	315	315	.0312
20	18.50	34.530								20	18.50	34.530		24.81	315	315	.0627
30	18.55	34.310								30	18.55	34.310		24.63	332	333	.0952
50	16.70	34.310								50	16.70	34.310		25.07	289	291	.1576
75	16.03	34.370								75	16.03	34.370		25.28	270	272	.2280
100	15.68	34.370								100	15.68	34.370		25.35	263	265	.2953
125	11.50	34.390								125	11.50	34.390		26.23	180	182	.3514
150	6.32	34.310								150	6.32	34.310		26.99	108	109	.3880
200	5.30	34.250								200	5.30	34.250		27.07	100	102	.4411
245	2.33	34.160															
KOREA ,JI RI SAN , STATION 209-08 , 35-308. N, 130-169. E, DEC. 9.1979, 12.10 KST, DEPTH 200 , COLOR 3, TRANS. 15. ,																	
WAVE 2, SWELL 2, WIND NW 3, BARO 1023. , AIR TEMP. DRY 11.1, WET . , CLOUD. TYPE CI, AMT 6, WEATHER BC,																	
0	18.11	34.470								0	18.11	34.470		24.86	310	310	.0000
10	18.05	34.450								10	18.05	34.450		24.86	310	310	.0310
20	18.20	34.480								20	18.20	34.480		24.84	311	312	.0622
30	18.13	34.480								30	18.13	34.480		24.86	310	310	.0933
50	18.02	34.440								50	18.02	34.440		24.86	310	311	.1556
75	16.85	34.160								75	16.85	34.160		24.92	304	306	.2328
100	16.10	34.340								100	16.10	34.340		25.24	274	277	.3057
125	14.82	34.450								125	14.82	34.450		25.61	239	242	.3706
150	6.90	34.310								150	6.90	34.310		26.91	115	117	.4156
201	11.67	34.170															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,JI RI SAN , STATION 209-09 , 35-244. N, 130-335. E, DEC. 9.1979, 10.20 KST, DEPTH 150 , COLOR 3, TRANS. 16. ,																	
WAVE 1, SWELL 2, WIND NW 3, BARO 1022. , AIR TEMP. DRY 10.6, WET . , CLOUD. TYPE NS, AMT 8, WEATHER C ,																	
0	17.20	34.400								0	17.20	34.400		25.03	294	294	.0000
10	17.90	34.380								10	17.90	34.380		24.84	312	312	.0303
20	17.90	34.410								20	17.90	34.410		24.86	309	310	.0614
30	17.90	34.400								30	17.90	34.400		24.86	310	311	.0925
50	18.00	34.410								50	18.00	34.410		24.84	312	313	.1550
75	17.90	34.380								75	17.90	34.380		24.84	312	314	.2334
10	17.20	34.230								100	15.74	34.222		25.23	275	277	.3074
125	15.34	34.220								125	15.34	34.220		25.32	266	270	.3759
150	10.43	34.4															
KOREA ,JI RI SAN , STATION 209-10 , 35-178. N, 130-500. E, DEC. 9.1979, 08.35 KST, DEPTH 140 , COLOR 3, TRANS. 15. ,																	
WAVE 2, SWELL 2, WIND NW 3, BARO 1022.5, AIR TEMP. DRY 11.5, WET . , CLOUD. TYPE NS, AMT 10, WEATHER C ,																	
0	17.54	34.580								0	17.54	34.580		25.08	289	288	.0000
10	18.34	34.550								10	18.34	34.550		24.86	310	310	.0299
20	18.20	34.590								20	18.20	34.590		24.93	303	304	.0607
30	18.45	34.540								30	18.40	34.540		24.83	313	314	.0916
50	18.50	34.610								50	18.50	34.610		24.87	309	310	.1540
75	18.25	******								75	18.25	******		*****	***	***	******
100	17.30	34.400								100	17.30	34.400		25.00	296	299	******
125	16.30	34.400								125	16.30	34.400		25.24	274	277	******
135	14.05	34.590															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,JI RI SAN , STATION 209-11 , 35-114. N, 131-066. E, DEC. 9,1979, 06.45 KST, DEPTH 140 , COLOR , TRANS. . ,

WAVE 3, SWELL 3, WIND NW 5, BARO 1022. , AIR TEMP. DRY 11.0, WET . , CLOUD. TYPE , AMT , WEATHER C ,

0	17.97	34.340								0	17.97	34.340		24.79	316	316	.0000
10	16.80	34.320								10	16.80	34.320		25.06	291	.291	.0104
20	16.83	34.320								20	16.83	34.320		25.05	292	292	.0596
30	16.82	34.510								30	16.82	34.510		25.20	277	278	.0881
50	16.82	34.340								50	16.82	34.340		25.07	290	291	.1451
75	16.80	34.310								75	16.80	34.310		25.05	292	293	.2183
100	16.03	34.430								100	16.03	34.430		25.32	266	268	.2887
125	14.94	34.520								125	14.94	34.520		25.63	236	239	.3523
135	12.30	34.500															

208 선 해 양 관 측 성 적
OCEANOGRAPHIC DATA, LINE 208

2 월 (February)

KOREA ,JI RI SAN , STATION 208-01 , 35-285. N, 129-273. E, FEB.20.1979, 14.10 KST, DEPTH 70 , COLOR 4, TRANS. 14. ,

WAVE 4, SWELL 1, WIND SW 6, BARO 1013. , AIR TEMP. DRY 15.0, WET . , CLOUD. TYPE CU, AMT 5, WEATHER BC,

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D DY
0	14.60	34.630								0	14.60	34.630		25.79	221	221	.0000
10	14.60	34.630								10	14.60	34.630		25.79	221	221	.0221
20	14.60	34.630								20	14.60	34.630		25.79	221	221	.0443
30	14.46	34.610								30	14.46	34.610		25.81	220	220	.0664
50	14.13	34.570								50	14.13	34.570		25.85	216	217	.1103
65	13.98	34.570															

KOREA ,JI RI SAN , STATION 208-02 , 35-243. N, 129-338. E, FEB.20.1979, 13.05 KST, DEPTH 130 , COLOR 4 TRANS. 15. ,

WAVE 4, SWELL 1, WIND SW 6, BARO 1019. , AIR TEMP. DRY 16.4, WET . , CLOUD. TYPE CU, AMT 2, WEATHER B ,

0	13.80	34.630								0	13.80	34.630		25.96	205	205	.0000
10	14.72	34.580								10	14.72	34.580		25.73	227	227	.0216
20	13.75	34.620								20	13.75	34.620		25.96	205	205	.0433
30	13.61	34.580								30	13.61	34.580		25.96	205	205	.0639
50	13.54	34.630								50	13.54	34.630		26.02	200	201	.1046
75	13.60	34.600								75	13.60	34.600		25.98	203	205	.1585
100	13.50	34.600								100	13.50	34.600		26.00	201	204	.2067
125	13.20	34.560															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA ,JI RI SAN , STATION 208-03 , 35-178. N, 129-429. E, FEB.20.1979, 11.50 KST, DEPTH 150 , COLOR 4, TRANS. 14. ,																	
WAVE 4, SWELL 1, WIND SW 5, BARO 1015. , AIR TEMP. DRY 14.7, WET . , CLOUD. TYPE CU, AMT 7, WEATHER BC,																	
0	13.65	34.610								0	13.65	34.610		25.98	204	203	.0000
10	13.89	34.590								10	13.89	34.590		25.91	210	210	.0207
20	13.85	34.610								20	13.85	34.610		25.94	207	208	.0416
30	13.96	34.630								30	13.96	34.630		25.93	208	209	.0625
50	13.86	34.620								50	13.86	34.620		25.94	207	208	.1043
75	13.80	34.640								75	13.80	34.640		25.97	204	206	.1561
100	13.85	34.620								100	13.85	34.620		25.94	207	209	.2081
125	13.82	34.620								125	13.82	34.620		25.95	206	209	.2605
145	13.80	34.580															
KOREA ,JI RI SAN , STATION 208-04 , 35-111. N, 129-527. E, FEB.20.1979, 10.25 KST, DEPTH 143 , COLOR 4, TRANS. 15. ,																	
WAVE 4, SWELL 1, WIND SW 5, BARO 1015. , AIR TEMP. DRY 13.8, WET . , CLOUD. TYPE CU, AMT 7, WEATHER BC,																	
0	14.23	34.650								0	14.23	34.650		25.89	212	212	.0000
10	14.22	34.690								10	14.22	34.690		25.92	209	209	.0211
20	14.16	34.670								20	14.16	34.670		25.92	209	210	.0421
30	14.20	34.680								30	14.20	34.680		25.92	209	210	.0631
50	14.12	34.680								50	14.12	34.680		25.93	208	209	.1050
75	14.00	34.650								75	14.00	34.650		25.94	208	209	.1574
100	13.14	34.510								100	13.14	34.510		26.00	201	203	.2091
125	12.71	34.490								125	12.71	34.490		26.07	194	197	.2593
140	12.40	34.460															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,JI RI SAN , STATION 208-05 , 35-048. N, 130-020. E, FEB.20.1979, 09.05 KST, DEPTH 140 , COLOR 4, TRANS. 18. ,

WAVE 4, SWELL 1, WIND SW 5, BARO 1016. , AIR TEMP. DRY 12.8, WET . , CLOUD. TYPE CU, AMT 5, WEATHER BC,

0	13.35	34.630								0	13.35	34.630		26.05	196	196	.0000
10	13.42	34.600								10	13.42	34.600		26.02	200	200	.0198
20	13.59	34.320								20	13.59	34.320		25.77	224	224	.0411
30	13.36	34.310								30	13.36	34.310		25.81	220	220	.0633
50	13.00	34.570								50	13.00	34.570		26.08	194	195	.1049
75	12.89	34.520								75	12.89	34.520		26.06	195	197	.1541
100	12.85	34.520								100	12.85	34.520		26.07	195	197	.2034
125	12.90	34.350								125	12.90	34.350		25.93	208	211	.2546
135	12.87	34.550															

KOREA ,JI RI SAN , STATION 208-06 , 34-592. N, 130-119. E, FEB.20.1979, 07.50 KST, DEPTH 135 , COLOR 3, TRANS. 18. ,

WAVE 4, SWELL 1, WIND S 5, BARO 1016. , AIR TEMP. DRY 12.0, WET . , CLOUD. TYPE CU, AMT 3, WEATHER BC,

0	13.16	34.590								0	13.16	34.590		26.06	195	195	.0000
10	13.15	34.580								10	13.15	34.580		26.06	196	196	.0196
20	13.16	34.600								20	13.16	34.600		26.07	195	195	.0392
30	13.17	34.560								30	13.17	34.560		26.04	198	198	.0589
50	13.16	34.580								50	13.16	34.580		26.05	196	197	.0986
75	13.16	34.580								75	13.16	34.580		26.05	196	198	.1481
100	13.16	34.540								100	13.16	34.540		26.02	199	201	.1981
125	12.72	34.520															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA ,JI RI SAN , STATION 208-07 , 34-520. N, 130-609. E, FEB.20.1979, 06.35 KST, DEPTH 130 , COLOR , TRANS. ,																	
WAVE 4, SWELL 1, WIND S 5, BARO 1016. , AIR TEMP. DRY 10.2, WET . , CLOUD. TYPE , AMT , WEATHER B ,																	
0	13.50	34.890								0	13.50	34.890		26.22	180	180	.0000
10	13.48	34.450								10	13.48	34.450		25.89	212	212	.0196
20	13.58	34.650								20	13.58	34.650		26.02	199	199	.0403
30	13.60	34.630								30	13.60	34.630		26.00	201	202	.0604
50	13.46	34.610								50	13.46	34.610		26.02	200	201	.1007
75	13.28	34.600								75	13.28	34.600		26.05	197	199	.1508
100	13.00	34.580								100	13.00	34.580		26.09	193	195	.2001
125	12.42	34.500															
KOREA ,JI RI SAN , STATION 208-08 , 34-453. N, 130-306. E, FEB.20.1979, 05.20 KST, DEPTH 130 , COLOR , TRANS.																	
WAVE 3, SWELL 1, WIND SW 4, BARO 1016.5, AIR TEMP. DRY 10.4, WET . , CLOUD. TYPE , AMT , WEATHER B ,																	
0	14.30	34.710								0	14.30	34.710		25.92	209	209	.0000
10	14.25	34.700								10	14.25	34.700		25.92	209	209	.0209
20	14.52	34.660								20	14.52	34.660		25.83	217	218	.0423
30	14.54	34.630								30	14.54	34.630		25.81	220	220	.0643
50	14.40	34.620								50	14.40	34.620		25.83	218	219	.1085
75	14.33	34.690								75	14.33	34.690		25.90	211	213	.1624
100	13.83	34.610								100	13.83	34.610		25.94	207	209	.2153
125	13.64	34.740															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,JI RI SAN , STATION 208-09 , 34-389. N, 130-405. E, FEB.20.1979, 04.00 KST, DEPTH 130 , COLOR , TRANS. . ,

WAVE 3, SWELL 1, WIND SW 4, BARO 1017. , AIR TEMP. DRY 10.5, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	14.30	34.670								0	14.30	34.670		25.89	212	212	.0000
10	14.04	34.680								10	14.04	34.680		25.95	206	206	.0209
20	14.50	34.680								20	14.50	34.680		25.85	215	216	.0421
30	14.60	34.700								30	14.60	34.700		25.85	216	217	.0637
50	14.60	34.690								50	14.60	34.690		25.84	217	218	.1075
75	14.65	34.720								75	14.65	34.720		25.85	216	217	.1618
100	14.23	34.710								100	14.23	34.710		25.93	208	210	.2153
125	14.04	34.720															

4 월 (April)

KOREA ,JI RI SAN , STATION 208-01 , 35-289. N, 129-273. E, APR.15.1979, 13.33 KST DEPTH 70 , COLOR 4, TRANS. 10. ,

WAVE 1, SWELL 1, WIND SE 2, BARO 1021. , AIR TEMP. DRY 18.7, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	13.88	34.250								0	13.88	34.250		25.65	234	234	.0000
10	13.75	34.240								10	13.75	34.240		25.67	233	233	.0234
20	13.09	34.230								20	13.09	34.230		25.80	221	221	.0461
30	12.28	34.250								30	12.28	34.250		25.97	204	204	.0674
50	12.47	34.270								50	12.47	34.270		25.95	206	207	.1086
65	12.30	34.270															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA , JI RI SAN , STATION 208-02 , 35-243. N, 129-338. E, APR.15.1979, 14.25 KST, DEPTH 130 , COLOR 3, TRANS. 13. ,																	
WAVE 1, SWELL 1, WIND SE 2, BARO 1020. , AIR TEMP. DRY 18.9, WET . , CLOUD. TYPE , AMT , WEATHER B ,																	
0	14.30	34.360								0	14.30	34.360		25.65	235	234	.0000
10	14.75	34.330								10	14.75	34.330		25.53	246	246	.0241
20	14.58	34.360								20	14.58	34.360		25.59	240	241	.0485
30	13.85	34.330								30	13.85	34.330		25.72	228	228	.0720
50	13.58	34.330								50	13.58	34.330		25.78	223	224	.1173
75	13.50	34.310								75	13.50	34.310		25.78	223	224	.1734
100	12.45	34.290								100	12.45	34.290		25.97	204	206	.2274
1[illegible]	11.9[illegible]	34.299															
KOREA , JI RI SAN , STATION 208-03 , 35-178. N, 129-429. E, APR.15.1979, 15.40 KST, DEPTH 150 , COLOR 3, TRANS. 16. ,																	
WAVE 1, SWELL 1, WIND SE 2, BARO 1019. , AIR TEMP. DRY 18.9, WET . , CLOUD. TYPE , AMT , WEATHER B ,																	
0	14.30	34.380								0	14.30	34.380		25.66	233	233	.0000
10	14.92	34.370								10	14.92	34.370		25.52	247	247	.0240
20	14.64	34.400								20	14.64	34.400		25.61	239	239	.0484
30	14.58	34.400								30	14.58	34.400		25.62	238	238	.0723
50	14.28	34.360								50	14.28	34.360		25.65	234	235	.1197
75	14.25	34.370								75	14.25	34.370		25.67	233	235	.1786
100	14.25	34.360								100	14.25	34.360		25.66	234	236	.2376
125	14.24	34.380								125	14.24	34.380		25.68	232	235	.2966
145	11.95	34.370															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,JI RI SAN , STATION 208-04 , 35-111. N, 129-527. E, APR.15.1979, 17.05 KST, DEPTH 143 , COLOR 3, TRANS. 16. ,																	
WAVE 1, SWELL 1, WIND SE 2, BARO 1018. , AIR TEMP. DRY 17.8, WET . , CLOUD. TYPE , AMT , WEATHER B ,																	
0	13.65	34.410								0	13.65	34.410		25.82	218	218	.0000
10	13.78	34.400								10	13.78	34.400		25.79	221	221	.0220
20	13.95	34.390								20	13.95	34.390		25.75	226	226	.0444
30	13.70	34.400								30	13.70	34.400		25.81	220	220	.0668
50	13.58	34.390								50	13.58	34.390		25.82	218	219	.1109
75	13.45	34.380								75	13.45	34.380		25.84	216	218	.1657
100	13.39	34.370								100	13.39	34.370		25.85	216	218	.2203
125	13.34	34.380								125	13.34	34.380		25.86	214	217	.2749
140	11.94	34.340															
KOREA ,JI RI SAN , STATION 208-05 , 35-048. N, 130-020. E, APR.15.1979, 18.20 KST, DEPTH 140 , COLOR 3, TRANS. 16. ,																	
WAVE 1, SWELL 1, WIND NE 2, BARO 1017. , AIR TEMP. DRY 17.4, WET . , CLOUD. TYPE CI, AMT 1, WEATHER B ,																	
0	12.57	34.370								0	12.57	34.370		26.01	201	200	.0000
10	12.98	34.350								10	12.9	34.350		25.91	210	210	.0205
20	12.86	34.350								20	12.86	34.350		25.94	207	208	.0415
30	12.78	34.330								30	12.78	34.330		25.94	207	208	.0623
50	12.60	34.320								50	12.60	34.320		25.96	205	206	.1037
75	12.54	34.320								75	12.54	34.320		25.98	204	205	.1552
100	11.55	34.260								100	11.55	34.260		26.12	190	192	.2050
125	10.15	34.240								125	10.15	34.240		26.35	168	170	.2504
135	10.12	34.110															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,JI RI SAN , STATION 208-06 , 34-582. N, 130-119. E, APR.15.1979, 19.40 KST, DEPTH 135 , COLOR , TRANS. . ,

WAVE 1, SWELL 1, WIND SE 2, BARO 1017. , AIR TEMP. DRY 17.3, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	13.65	34.400								0	13.65	34.400		25.82	219	219	.0000
10	13.21	34.390								10	13.21	34.390		25.90	211	211	.0215
20	13.19	34.520								20	13.19	34.520		26.00	201	201	.0422
30	13.20	34.390								30	13.20	34.390		25.90	211	211	.0629
50	13.16	34.400								50	13.16	34.400		25.92	209	210	.1052
75	13.15	34.400								75	13.15	34.400		25.92	209	211	.1580
100	11.13	34.320								100	11.13	34.320		26.24	178	180	.2070
130	9.00	34.130															

KOREA ,JI RI SAN , STATION 208-07 , 34-520. N, 130-209. E, APR.15.1979, 20.55 KST, DEPTH 130 , COLOR , TRANS. . ,

WAVE 1, SWELL 1, WIND SE 2, BARO 1017. , AIR TEMP. DRY 12.5, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	13.90	34.370								0	13.90	34.370		25.74	226	226	.0000
1	13.70	34.380								10	13.70	34.380		25.79	221	221	.0224
20	13.75	34.380								20	13.75	34.380		25.78	222	223	.0447
30	13.76	34.390								30	13.76	34.390		25.78	222	222	.0669
50	13.65	34.370								50	13.65	34.370		25.79	221	222	.1115
75	13.49	34.370								75	13.49	34.370		25.83	218	220	.1668
100	12.54	34.340								100	12.54	34.340		25.99	202	204	.2200
125	10.81	34.390															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,JI RI SAN , STATION 208-08 , 34-453. N, 130-306. E, APR.15.1979, 22.15 KST, DEPTH 130 , COLOR , , TRANS. , ,

WAVE 1, SWELL 1, WIND SE 2, BARO 1017. , AIR TEMP. DRY 13.1, WET , , CLOUD. TYPE , AMT , WEATHER B ,

0	13.90	34.400								0	13.90	34.400		25.76	224	224	.0000
10	14.11	34.400								10	14.11	34.400		25.72	228	228	.0226
20	14.14	34.400								20	14.14	34.400		25.71	229	229	.0455
30	14.20	34.400								30	14.20	34.400		25.70	230	230	.0685
50	14.20	34.390								50	14.20	34.390		25.69	231	232	.1146
75	14.18	34.390								75	14.18	34.390		25.70	230	232	.1724
100	13.92	******								100	13.92	******		*****	***	***	******
125	12.12	34.390															

KOREA ,HAN RA SAN , STATION 208-09 , 34-389. N, 130-405. E, APR.15.1979, 23.30 KST, DEPTH 130 , COLOR , TRANS. , ,

WAVE 1, SWELL 1, WIND SE 2, BARO 170. , AIR TEMP. DRY 32.0, WET , , CLOUD. TYPE , AMT , WEATHER B ,

0	14.06	34.400								0	14.06	34.400		25.73	227	227	.0000
10	14.20	34.400								10	14.20	34.400		25.70	230	230	.0229
20	14.22	34.390								20	14.22	34.390		25.69	231	231	.0460
30	14.60	34.380								30	14.60	34.380		25.60	239	240	.0696
50	14.27	34.390								50	14.27	34.390		25.68	232	233	.1170
75	14.27	34.390								75	14.27	34.390		25.68	232	234	.1754
100	13.32	34.390								100	13.32	34.390		25.88	213	216	.2317
125	11.98	34.380															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA T	D-T	SVA	D-DY

6 월 (June)

KOREA ,HAN RA SAN , STATION 208-01 , 35-285. N, 129-273. E, JUN.14.1979, 13.20 KST, DEPTH 70 , COLOR 6, TRANS.

WAVE 1, SWELL , WIND E 2, BARO 1011. , AIR TEMP. DRY 23.2, WET . , CLOUD. TYPE AS, AMT 3, WEATHER BC,

0	18.55	33.820							0	18.55	33.820	24.25	368	367	.0000
10	14.10	34.250							10	14.10	34.250	25.61	239	239	.0304
20	13.41	34.290							20	13.41	34.290	25.78	222	223	.0535
30	12.69	34.320							30	12.69	34.320	25.95	206	207	.0750
50	11.71	34.300							50	11.71	34.300	26.12	190	191	.1149
65	10.86	34.240													

KOREA ,HAN RA SAN , STATION 208-02 , 35-243. N, 129-338. E, JUN.14.1979, 14.30 KST, DEPTH 130 , COLOR 4, TRANS. 14. ,

WAVE 1, SWELL 1, WIND SE 2, BARO 1011. , AIR TEMP. DRY 23.1, WET . , CLOUD. TYPE AS, AMT 2, WEATHER B ,

0	20.20	34.660							0	20.20	34.660	24.47	347	347	.0000
10	18.80	33.670							10	18.80	33.670	24.08	384	384	.0366
20	15.00	34.020							20	15.00	34.020	25.24	274	274	.0696
30	14.51	34.150							30	14.51	34.150	25.44	254	255	.0961
50	14.31	34.200							50	14.31	34.200	25.52	247	248	.1465
75	14.23	34.290							75	14.23	34.290	25.61	238	240	.2076
100	14.20	34.320							100	14.20	34.320	25.64	236	238	.2675
125	14.10	34.320													

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,HAN RA SAN , STATION 208-03 , 35-178. N, 129-429. E, JUN.14.1979, 15.40 KST, DEPTH 150 , COLOR 4, TRANS. 15. ,

WAVE 1, SWELL 1, WIND SE 2, BARO 1011. , AIR TEMP. DRY 22.8, WET . , CLOUD. TYPE AS, AMT 2, WEATHER B ,

0	20.45	33.900								0	20.45	33.900		23.83	408	408	.0000
10	20.15	33.860								10	20.15	33.860		23.87	404	404	.0406
20	19.70	33.880								20	19.70	33.880		24.01	391	391	.0804
30	18.98	34.060								30	18.98	34.060		24.33	360	361	.1181
50	16.20	34.060								50	16.20	34.060		25.00	297	298	.1841
75	14.96	34.110								75	14.96	34.110		25.31	267	268	.2550
100	14.88	34.290								100	14.88	34.290		25.47	252	254	.3204
125	14.52	34.320								125	14.52	34.320		25.57	242	245	.3830
145	14.45	34.310															

KOREA ,HAN RA SAN , STATION 208-04 , 35-111. N, 129-527. E, JUN.14.1979, 16.50 KST, DEPTH 140 , COLOR 4, TRANS. 16. ,

WAVE 1, SWELL 1, WIND SE 2, BARO 1011. , AIR TEMP. DRY 22.6, WET . , CLOUD. TYPE AS, AMT 2, WEATHER B ,

0	21.07	34.090								0	21.07	34.090		23.80	410	410	.0000
10	19.58	34.090								10	19.58	34.090		24.20	373	373	.0392
20	19.70	34.070								20	19.70	34.070		24.15	377	378	.0768
30	19.36	34.070								30	19.36	34.070		24.24	369	370	.1142
50	17.67	34.140								50	17.67	34.140		24.71	324	325	.1837
75	15.58	34.170								75	15.58	34.170		25.22	275	277	.2591
100	14.79	34.280								100	14.79	34.280		25.48	251	253	.3255
125	14.59	34.310								125	14.59	34.310		25.55	244	247	.3882
135	14.39	34.270															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,HAN RA SAN , STATION 208-05 , 35-048. N, 130-020. E, JUN.14.1979, 18.00 KST, DEPTH 140 , COLOR 4, TRANS. 20. ,

WAVE 1, SWELL 1, WIND SE 2, BARO 1011. , AIR TEMP. DRY 21.9, WET . , CLOUD. TYPE AS, AMT 2, WEATHER B ,

0	21.50	34.340								0	21.50	34.340		23.88	404	403	.0000
10	19.00	34.260								10	19.00	34.260		24.48	346	346	.0375
20	17.75	34.220								20	17.75	34.220		24.76	320	320	.0709
30	16.81	34.230								30	16.81	34.230		24.99	298	298	.1019
50	15.81	34.220								50	15.81	34.220		25.21	276	278	.1595
75	14.84	34.180								75	14.84	34.180		25.39	259	261	.2270
100		34.270								100	14.70	34.270		25.49	250	252	.2912
125		34.290															

KOREA ,HAN RA SAN , STATION 208-06 , 34-582. N, 130-119. E, JUN.14.1979, 19.10 KST, DEPTH 135 , COLOR , TRANS. . ,

WAVE 1, SWELL 1, WIND SE 2, BARO 1011. , AIR TEMP. DRY 20.8, WET . , CLOUD. TYPE AS, AMT 5, WEATHER BC,

0	20.20	34.280								0	20.20	34.280		24.18	375	374	.0000
1	19.70	34.270								10	19.70	34.270		24.30	363	363	.0369
20	19.71	34.310								20	19.71	34.310		24.33	360	360	.0731
30	19.47	34.310								30	19.47	34.310		24.39	354	355	.1089
50	18.12	34.300								50	18.12	34.300		24.73	323	324	.1769
75	16.27	34.250								75	16.27	34.250		25.13	284	286	.2532
100	15.60	34.270								100	15.60	34.270		25.30	268	271	.3230
125	13.89	34.400															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	20.30	34.310								0	20.30	34.310		24.18	375	375	.0000
10	19.80	34.290								10	19.80	34.290		24.29	364	.364	.0070
20	18.37	34.270								20	18.37	34.270		24.64	331	331	.0718
30	17.50	34.290								30	17.50	34.290		24.87	309	309	.1038
50	16.68	34.280								50	16.68	34.280		25.06	291	292	.1641
75	15.90	34.260								75	15.90	34.260		25.22	275	277	.2354
100	15.78	34.290								100	15.78	34.290		25.27	271	273	.3044
125	15.78	34.270															

KOREA ,HAN RA SAN , STATION 208-08 , 34-453. N, 130-306. E, JUN.14.1979, 21.30 KST, DEPTH 130 , COLOR , TRANS. . ,

WAVE 1, SWELL , WIND SE 2, BARO 1011. , AIR TEMP. DRY 20.2, WET . , CLOUD. TYPE , AMT , WEATHER ,

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	20.30	34.230								0	20.30	34.230		24.12	381	380	.0000
10	19.85	34.260								10	19.85	34.260		24.26	367	367	.0374
20	19.50	34.280								20	19.50	34.280		24.36	357	357	.0737
30	18.23	34.290								30	18.23	34.290		24.69	326	326	.1080
50	16.19	34.250								50	16.19	34.250		25.15	282	284	.1691
75	15.09	34.340								75	15.09	34.340		25.46	252	254	.2364
100	14.62	34.410								100	14.62	34.410		25.62	238	240	.2983
125	14.06	34.410															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,HAN RA SAN , STATION 208-09 , 34-389. N, 130-405. E, JUN.14.1979, 22.40 KST, DEPTH 130 , COLOR , TRANS. . ,																	
WAVE. 1, SWELL , WIND SE 2, BARO 1011. , AIR TEMP. DRY 19.9, WET . , CLOUD. TYPE , AMT , WEATHER																	
0	20.20	34.250								0	20.20	34.250		24.16	377	376	.0000
10	20.10	34.210								10	20.10	34.210		24.15	377	377	.0377
20	19.30	34.270								20	19.30	34.270		24.41	353	353	.0743
30	18.50	34.210								30	18.50	34.210		24.56	338	339	.1089
50	17.03	34.190								50	17.03	34.190		24.91	305	307	.1736
75	16.35	34.250								75	16.35	34.250		25.11	286	288	.2480
100	15.60	34.270								100	15.60	34.270		25.30	268	271	.3180
125	14.82	34.330															

8 월 (August)

KOREA ,JI RI SAN , STATION 208-01 , 35-285. N, 129-273. E, AUG.15.1979, 18.25 KST, DEPTH 70 , COLOR 3, TRANS. 10. ,																	
WAVE 1, SWELL 1, WIND NW 3, BARO 1008. , AIR TEMP. DRY 27.0, WET . , CLOUD. TYPE NS, AMT 10, WEATHER R ,																	
0	24.78	31.770								0	24.78	31.770		20.99	679	679	.0000
10	22.30	32.370								10	22.30	32.370		22.16	567	567	.0624
20	16.38	33.560								20	16.38	33.560		24.57	337	337	.1076
30	14.02	34.200								30	14.02	34.200		25.58	241	241	.1366
50	13.25	34.310								50	13.25	34.310		25.83	218	219	.1827
65	8.81	34.180															

OBSERVED									INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,JI RI SAN , STATION 208-02 , 35-243. N, 129-338. E, AUG.15.1979, 17.20 KST, DEPTH 130 , COLOR 3, TRANS. 19. ,

WAVE 3, SWELL 3, WIND NW 3, BARO 1008. , AIR TEMP. DRY 27.0, WET . , CLOUD. TYPE NS, AMT 10, WEATHER R ,

0	27.96	31.910								0	27.96	31.910		20.11	764	764	.0000
10	24.35	32.050								10	24.35	32.050		21.33	647	647	.0706
20	20.25	32.880								20	20.25	32.880		23.10	477	478	.1268
30	17.22	33.570								30	17.22	33.570		24.39	355	356	.1686
50	14.65	34.130								50	14.65	34.130		25.40	259	260	.2302
75	12.60	34.220								75	12.60	34.220		25.89	212	214	.2895
100	7.43	34.210								100	7.43	34.210		26.76	129	131	.3327
125	4.82	34.140															

KOREA ,JI RI SAN , STATION 208-03 , 35-178. N, 129-429. E, AUG.15.1979, 15.55 KST, DEPTH 150 , COLOR 3, TRANS. 19. ,

WAVE 1, SWELL 1, WIND NE 3, BARO 1008. , AIR TEMP. DRY 27.5, WET . , CLOUD. TYPE NS, AMT 10, WEATHER R ,

0	24.78	32.850								0	24.78	32.850		21.81	601	601	.0000
10	24.17	31.860								10	24.17	31.860		21.24	655	655	.0629
20	20.45	33.980								20	20.45	33.980		23.89	403	403	.1158
30	19.12	34.170								30	19.12	34.170		24.38	356	356	.1539
50	16.14	34.230								50	16.14	34.230		25.14	283	284	.2180
75	16.12	34.000								75	16.12	34.000		24.97	299	301	.2913
100	15.87	34.360								100	15.87	34.360		25.30	268	270	.3628
125	14.51	34.300								125	14.51	34.300		25.56	243	246	.4275
150	6.12	34.130															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA ,JI PI SAN , STATION 208-04 , 35-111. N, 129-527. E, AUG.15.1979, 14.35 KST, DEPTH 143 , COLOR 3, TRANS. 17. ,																	
WAVE 1, SWELL 1, WIND NE 3, BARO 1007. , AIR TEMP. DRY 26.7, WET . , CLOUD. TYPE NS, AMT 10, WEATHER R ,																	
0	27.31	32.340								0	27.31	32.340		20.64	713	713	.0000
10	27.51	32.170								10	27.51	32.170		20.45	731	731	.0723
20	23.43	33.160								20	23.43	33.160		22.44	541	541	.1359
30	22.89	33.450								30	22.89	33.450		22.81	505	506	.1883
50	18.83	34.040								50	18.83	34.040		24.35	358	360	.2750
75	17.23	34.110								75	17.23	34.110		24.80	316	318	.3597
100	16.82	34.200								100	16.82	34.200		24.96	300	303	.4374
125	16.30	34.330								125	16.30	34.330		25.18	279	282	.5107
140	14.97	34.400															
KOREA ,JI RI SAN , STATION 208-05 , 35-048. N, 130-020. E, AUG.15.1979, 13.10 KST, DEPTH 140 , COLOR 3, TRANS. 19. ,																	
WAVE 1, SWELL 1, WIND NE 3, BARO 1007. , AIR TEMP. DRY 27.5, WET . , CLOUD. TYPE NS, AMT 10, WEATHER C ,																	
0	27.41	32.450								0	27.41	32.450		20.69	708	708	.0000
10	27.30	32.350								10	27.30	32.350		20.65	712	712	.0710
20	23.20	33.410								20	23.20	33.410		22.69	516	517	.1325
30	21.90	******								30	21.90	******		*****	***	***	******
50	17.89	34.150								50	17.89	34.150		24.67	328	329	******
75	16.25	34.240								75	16.25	34.240		25.13	285	286	******
100	15.82	34.390								100	15.82	34.390		25.34	264	267	******
125	15.50	34.400								125	15.50	34.400		25.42	257	260	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,JI RI SAN , STATION 208-06 , 34-582. N, 130-119. E, AUG.15.1979, 11.50 KST, DEPTH 135 , COLOR 3, TRANS. 17. ,

WAVE 1, SWELL 1, WIND NE 3, BARO 1007. , AIR TEMP. DRY 27.8, WET . , CLOUD. TYPE NS, AMT 9, WEATHER C ,

0	27.02	32.530								0	27.02	32.580		20.91	687	687	.0000
10	25.70	32.920								10	25.70	32.920		21.58	623	623	.0655
20	23.50	33.310								20	23.50	33.310		22.53	532	532	.1235
30	17.82	33.760								30	17.82	33.760		24.39	355	355	.1678
50	15.39	34.110								50	15.39	34.110		25.22	276	277	.2311
75	15.29	34.380								75	15.29	34.380		25.45	254	256	.2977
100	14.78	34.400								100	14.78	34.400		25.58	242	244	.3603
125	7.21	34.210															

KOREA ,JI RI SAN , STATION 208-07 , 34-520. N, 130-209. E, AUG.15.1979, 10.25 KST, DEPTH 130 , COLOR 3, TRANS. 17. ,

WAVE 1, SWELL 1, WIND NE 3, BARO 1007. , AIR TEMP. DRY 26.9, WET . , CLOUD. TYPE NS, AMT 9, WEATHER C ,

0	26.98	32.470								0	26.98	32.470		20.84	694	693	.0000
10	26.80	32.420								10	26.80	32.420		20.86	692	692	.0693
20	25.07	32.830								20	25.07	32.830		21.71	611	611	.1345
30	23.92	33.350								30	23.92	33.350		22.44	541	541	.1922
50	17.31	33.740								50	17.31	33.740		24.49	345	346	.2810
75	15.30	34.120								75	15.30	34.120		25.25	273	275	.3587
100	14.92	34.400								100	14.92	34.400		25.55	245	247	.4240
125	12.21	34.430															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA ,JI RI SAN , STATION 208-08 , 34-453. N, 130-306. E, AUG.15.1979, 09.05 KST, DEPTH 130 , COLOR 3, TRANS. 16. ,																	
WAVE 2, SWELL 2, WIND NE 3, BARO 1007. , AIR TEMP. DRY 26.5, WET . , CLOUD. TYPE NS, AMT 7, WEATHER BC,																	
0	27.58	32.420								0	27.58	32.420		20.62	716	715	.0000
10	27.02	32.670								10	27.02	32.670		20.98	680	.680	.0098
20	26.00	32.460								20	26.00	32.460		21.14	665	665	.1372
30	21.40	33.470								30	21.40	33.470		23.24	464	465	.1937
50	18.43	34.120								50	18.43	34.120		24.51	343	344	.2747
75	16.72	34.200								75	16.72	34.200		24.99	298	300	.3553
100	15.93	34.300								100	15.93	34.300		25.24	273	276	.4273
125	15.13	34.490															
KOREA * ,JI RI SAN , STATION 208-09 , 34-389. N, 130-405. E, AUG.15.1979, 07.40 KST, DEPTH 130 , COLOR 3, TRANS. 16. ,																	
WAVE 2, SWELL 2, WIND NE 3, BARO 1007. , AIR TEMP. DRY 26.3, WET . , CLOUD. TYPE NS, AMT 8, WEATHER C ,																	
0	26.65	32.530								0	26.65	32.530		20.99	679	679	.0000
10	25.75	32.490								10	25.75	32.490		21.24	655	655	.0668
20	22.37	33.010								20	22.37	33.010		22.63	523	523	.1258
30	20.46	33.740								30	20.46	33.740		23.70	420	421	.1730
50	16.95	34.140								50	16.95	34.140		24.89	307	308	.2460
75	16.94	34.310								75	16.94	34.310		25.02	295	297	.3218
100	16.65	34.400								100	16.65	34.400		25.16	282	284	.3945
125	15.94	34.350															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

10 월 (October)

KOREA ,JI RI SAN , STATION 208-01 , 35-285. N, 129-273. E, OCT.11.1979, 00.30 KST, DEPTH 70 , COLOR , TRANS. . . ,

WAVE , SWELL , WIND NW 4, BARO 1016.5, AIR TEMP. DRY 20.4, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	21.37	32.850							0	21.37	32.850	22.78	508	508	.0000
10	21.29	32.540							10	21.29	32.540	22.57	528	528	.0519
20	21.27	32.810							20	21.27	32.810	22.78	508	509	.1038
30	21.22	32.860							30	21.22	32.860	22.83	503	504	.1545
50	19.90	32.730							50	19.90	32.730	23.08	479	481	.2530
65	15.92	33.520													

KOREA ,JI RI SAN , STATION 208-02 , 35-243. N, 129-338. E, OCT.11.1979, 01.30 KST, DEPTH 130 , COLOR , TRANS. . ,

WAVE , SWELL , WIND NW 4, BARO 1016.5, AIR TEMP. DRY 20.3, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	23.65	33.950							0	23.65	33.950	22.97	490	490	.0000
10	23.60	34.090							10	23.60	34.090	23.09	478	478	.0485
20	23.60	34.140							20	23.60	34.140	23.13	475	475	.0962
30	16.12	33.780							30	16.12	33.780	24.80	315	316	.1358
50	15.51	34.290							50	15.51	34.290	25.33	245	266	.1941
75	15.45	34.250							75	15.45	34.250	25.31	267	268	.2610
100	15.16	34.100							100	15.16	34.100	25.26	271	274	.3289
125	15.02	34.070													

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,JI PI SAN , STATION 208-03 , 35-173. N, 129-429. E, OCT.11.1979, 02.55 KST, DEPTH 150 , COLOR , TRANS. , ,																	
WAVE , SWELL , WIND NW 4, BARO 1016.5, AIR TEMP. DRY 20.3, WET , CLOUD. TYPE , AMT. , WEATHER ,																	
0	23.83	34.150								0	23.83	34.150		23.07	481	480	.0000
10	23.52	34.120								10	23.52	34.120		23.14	474	474	.0478
20	23.03	34.060								20	23.03	34.060		23.23	465	465	.0948
30	22.47	34.030								30	22.47	34.030		23.37	452	452	.1407
50	16.85	33.950								50	16.85	33.950		24.76	319	320	.2181
75	16.08	33.600								75	16.08	33.600		24.67	328	329	.2994
100	14.50	33.790								100	14.50	33.790		25.17	281	283	.3760
125	14.37	33.520								125	14.37	33.520		24.99	298	301	.4491
150	14.25	33.470															
KOREA ,JI PI SAN , STATION 208-04 , 35-111. N, 129-527. E, OCT.11.1979, 04.20 KST, DEPTH 145 , COLOR , TRANS. , ,																	
WAVE , SWELL , WIND NW 3, BARO 1017. , AIR TEMP. DRY 20.4, WET , CLOUD. TYPE , AMT , WEATHER B ,																	
	23.35	33.360								0	23.35	33.360		22.61	524	524	.0000
10	23.00	33.300								10	23.00	33.300		22.67	519	519	.0522
20	22.70	33.560								20	22.70	33.560		22.95	492	492	.1028
30	22.58	33.940								30	22.58	33.940		23.27	461	462	.1506
50	22.16	34.180								50	22.16	34.180		23.57	433	434	.2403
75	17.60	34.530								75	17.60	34.530		25.03	294	296	.3316
100	16.30	34.490								100	16.30	34.490		25.31	267	270	.4024
125	16.28	33.360								125	16.28	33.360		24.44	349	353	.4804

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D DY
KOREA ,JI RI SAN , STATION 208-05 , 35-048. N, 130-020. E, OCT.11.1979, 05.40 KST, DEPTH 140 , COLOR , TRANS. . ,																	
WAVE 1, SWELL 1, WIND NW 2, BARO 1017.5, AIR TEMP. DRY 25.0, WET . , CLOUD. TYPE , AMT , WEATHER ,																	
0	22.07	33.300								0	22.07	33.300		22.93	494	494	.0000
10	21.86	33.510								10	21.86	33.510		23.15	473	473	.0484
20	21.75	34.190								20	21.75	34.190		23.69	421	421	.0932
30	21.65	34.220								30	21.65	34.220		23.74	416	417	.1351
50	21.52	33.900								50	21.52	33.900		23.54	436	437	.2206
75	21.25	33.510								75	21.25	33.510		23.31	457	459	.3326
100	20.21	34.220								100	20.21	34.220		24.13	379	382	.4381
125	16.95	34.260								125	16.95	34.260		24.98	299	302	.5237
135	16.60	33.830															
KOREA ,JI RI SAN , STATION 208-06 , 34-552. N, 130-119. E, OCT.11.1979, 07.05 KST, DEPTH 135 , COLOR 2 TRANS. 13. ,																	
WAVE 1, SWELL 1, WIND NW 2, BARO 1017.5, AIR TEMP. DRY 26.0, WET . , CLOUD. TYPE , AMT , WEATHER B ,																	
0	21.19	33.560								0	21.19	33.560		23.37	452	452	.0000
10	21.58	33.670								10	21.58	33.670		23.35	454	454	.0455
20	21.59	33.730								20	21.59	33.730		23.39	450	450	.0906
30	21.58	34.190								30	21.58	34.190		23.74	417	417	.1341
50	21.58	34.260								50	21.58	34.260		23.79	411	413	.2172
75	21.55	34.330								75	21.55	34.330		23.85	406	408	.3198
100	17.72	34.140								100	17.72	34.140		24.70	325	328	.4119
125	16.75	34.180															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,JI RI SAN , STATION 208-07 , 34-530. N, 130-209. E, OCT.11.1979, 08.25 KST, DEPTH 130 , COLOR 2, TRANS. 19. ,

WAVE 1, SWELL 1, WIND NW 2, BARO 1013. , AIR TEMP. DRY 22.5, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	21.54	33.570								0	21.54	33.570		23.28	460	460	.0000
10	21.58	33.470								10	21.58	33.470		23.19	469	469	.0465
20	21.55	33.410								20	21.55	33.410		23.16	472	473	.0936
30	21.54	33.410								30	21.54	33.410		23.16	472	473	.1409
50	21.53	33.390								50	21.53	33.390		23.15	473	474	.2357
75	19.16	33.670								75	19.16	33.670		23.99	393	395	.3445
100	17.38	33.940								100	17.38	33.940		24.63	332	334	.4358
125	16.62	33.750															

KOREA ,JI RI SAN , STATION 208-08 , 34-453. N, 130-306. E, OCT.11.1979, 09.50 KST, DEPTH 130 , COLOR 2, TRANS. 20. ,

WAVE 1, SWELL 1, WIND NW 2, BARO 1013. , AIR TEMP. DRY 22.8, WET . , CLOUD. TYPE . AMT , WEATHER B ,

0	21.59	33.450								0	21.59	33.450		23.18	470	47	.0000
10	21.57	33.410								10	21.57	33.410		23.15	473	473	.0472
20	21.57	33.420								20	21.57	33.420		23.16	472	472	.0945
30	21.55	33.640								30	21.55	33.640		23.33	456	456	.1410
50	21.54	33.530								50	21.54	33.530		23.25	463	465	.2331
75	20.10	33.590								75	20.10	33.590		23.68	422	424	.3443
100	17.10	34.020								100	17.10	34.020		24.76	319	322	.4377
125	16.30	34.320															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,JI RI SAN , STATION 208-09 , 34-389. N, 130-405. E, OCT.11.1979, 11.10 KST, DEPTH 130 , COLOR 2, TRANS. 19. ,																	
WAVE 1, SWELL 1, WIND NW 2, BARO 1018. , AIR TEMP. DRY 23.1, WET . , CLOUD. TYPE , AMT , WEATHER B ,																	
0	21.61	33.440								0	21.61	33.440		23.16	472	471	.0000
10	21.60	33.430								10	21.60	33.430		23.16	472	472	.0472
20	21.59	33.390								20	21.59	33.390		23.13	475	475	.0946
30	21.58	33.460								30	21.58	33.460		23.19	469	470	.1419
50	21.57	33.430								50	21.57	33.430		23.17	471	473	.2363
75	18.98	33.990								75	18.98	33.990		24.28	366	368	.3414
100	17.32	34.370								100	17.32	34.370		24.97	299	302	.4252
125	16.13	34.250															

12 월 (December)

KOREA ,JI RI SAN , STATION 208-01 , 35-295. N, 129-273. E, DEC. 8.1979, 16.30 KST, DEPTH 70 , COLOR 4, TRANS. 15. ,																	
WAVE 1, SWELL 1, WIND NW 2, BARO 1022. , AIR TEMP. DRY 12.2, WET . , CLOUD. TYPE , AMT , WEATHER B ,																	
0	17.20	34.460								0	17.20	34.460		25.07	290	289	.0000
10	16.95	34.420								10	16.95	34.420		25.10	287	287	.0289
20	16.34	34.440								20	16.34	34.440		25.26	272	272	.0569
30	15.73	34.340								30	15.73	34.340		25.32	266	267	.0839
50	15.65	34.430								50	15.65	34.430		25.41	258	259	.1365
65	15.57	34.530															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,JI RI SAN , STATION 208-02 , 35-243. N, 129-338. E, DEC. 8.1979, 17.30 KST, DEPTH 130 , COLOR , TRANS. , ,																	
WAVE 1, SWELL 1, WIND NW 3, BARO 1022. , AIR TEMP. DRY 12.1, WET . , CLOUD. TYPE , AMT , WEATHER B ,																	
0	17.60	34.520								0	17.60	34.520		25.02	294	294	.0000
10	17.45	34.520								10	17.45	34.520		25.06	291	291	.0293
20	17.70	34.490								20	17.70	34.490		24.97	299	299	.0589
30	16.36	34.200								30	16.36	34.200		25.07	290	290	.0884
50	15.80	34.390								50	15.80	34.390		25.34	264	265	.1440
75	15.68	34.410								75	15.68	34.410		25.39	260	262	.2100
100	14.13	34.550								100	14.13	34.550		25.83	217	220	.2703
125	6.97	34.340															
KOREA ,JI RI SAN , STATION 208-03 , 35-178. N, 129-429. E, DEC. 8.1979, 18.50 KST, DEPTH 150 , COLOR , TRANS. , ,																	
WAVE 1, SWELL 1, WIND NW 2, BARO 1022. , AIR TEMP. DRY 12.3, WET . , CLOUD. TYPE , AMT , WEATHER B ,																	
0	18.57	34.560								0	18.57	34.560		24.81	314	314	.0000
10	18.73	34.620								10	18.73	34.620		24.82	314	314	.0314
20	18.38	34.560								20	18.38	34.560		24.86	310	310	.0627
30	18.12	34.490								30	18.12	34.490		24.87	309	309	.0937
50	17.65	34.370								50	17.65	34.370		24.89	307	308	.1555
75	17.04	34.360								75	17.04	34.360		25.03	293	295	.2310
100	16.01	34.400								100	16.01	34.400		25.30	268	270	.3018
125	15.54	34.610								125	15.54	34.610		25.57	242	245	.3664

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,JI RI SAN , STATION 208-04 , 35-111. N, 129-527. E, DEC. 8.1979, 20.10 KST, DEPTH 143 , COLOR , TRANS. , ,																	
WAVE 2, SWELL 2, WIND NW 3, BARO 1023.5, AIR TEMP. DRY 12.8, WET , , CLOUD. TYPE , AMT , WEATHER 8 ,																	
0	18.25	34.480								0	18.25	34.480		24.83	313	312	.0000
10	18.33	34.480								10	18.33	34.480		24.81	314	314	.0314
20	18.37	34.510								20	18.37	34.510		24.82	313	313	.0628
30	18.30	34.490								30	18.30	34.490		24.83	313	314	.0942
50	18.47	34.500								50	18.47	34.500		24.79	316	318	.1574
75	18.40	34.490								75	18.40	34.490		24.80	315	317	.2369
100	17.75	34.460								100	17.75	34.460		24.94	302	305	.3148
125	17.25	34.690								125	17.25	34.690		25.24	274	278	.3878
140	15.14	34.500															
KOREA ,JI RI SAN , STATION 208-05 , 35-048. N, 130-020. E, DEC. 8.1979, 21.25 KST, DEPTH 140 , COLOR , TRANS. ,																	
WAVE 3, SWELL 3, WIND NW 4, BARO 1023.5, AIR TEMP. DRY 12.9, WET , , CLOUD. TYPE , AMT , WEATHER 8 ,																	
0	17.90	34.530								0	17.90	34.530		24.96	301	300	.0000
10	18.45	34.510								10	18.45	34.510		24.80	315	315	.0308
20	18.35	34.530								20	18.35	34.530		24.85	311	312	.0622
30	18.40	34.530								30	18.40	34.530		24.83	312	313	.0935
50	18.50	34.530								50	18.50	34.530		24.81	315	316	.1565
75	18.50	34.520								75	18.50	34.520		24.80	316	318	.2358
100	18.50	34.520								100	18.50	34.520		24.80	316	318	.3154
125	18.32	34.450								125	18.32	34.450		24.74	316	320	.3953
135	17.85	34.430															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,JI RI SAN , STATION 208-06 , 34-502. N, 130-119. E, DEC. 8.1979, 22.40 KST, DEPTH 135 , COLOR , TRANS. . ,

WAVE 3, SWELL 2, WIND NW 4, BARO 1023.5, AIR TEMP, DRY 11.8, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	18.15	34.49_0								0	18.15	34.49_0		24.86	309	309	.0000
10	18.23	34.510								10	18.23	34.510		24.86	310	310	.0310
20	18.40	34.510								20	18.40	34.510		24.82	314	314	.0623
30	18.40	34.510								30	18.40	34.510		24.82	314	314	.0937
50	18.40	34.510								50	18.40	34.510		24.82	314	315	.1568
75	18.40	34.510								75	18.40	34.510		24.82	314	316	.2358
100	18.40	34.490								100	18.40	34.490		24.80	315	318	.3152
125	18.40	34.520															

KOREA ,JI RI SAN , STATION 208-07 , 34-520. N, 130-209. E, DEC. 8.1979, 23.55 KST, DEPTH 130 , COLOR , TRANS. . ,

WAVE 3, SWELL 2, WIND NW 4, BARO 1023.5, AIR TEMP, DRY 11.6, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	17.90	34.48_0								0	17.90	34.48_0		24.92	304	304	.0000
10	18.08	34.480								10	18.08	34.480		24.87	309	309	.0307
20	18.15	34.470								20	18.15	34.470		24.85	311	311	.0617
30	18.23	34.470								30	18.23	34.470		24.83	313	313	.0930
50	18.20	34.480								50	18.20	34.480		24.84	311	313	.1557
75	18.20	34.470								75	18.20	34.470		24.84	312	314	.2341
100	18.20	34.450								100	18.20	34.450		24.82	314	316	.3130
125	18.18	34.490															

OBSERVED									INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D DY

KOREA ,JI RI SAN , STATION 208-08 , 34-453. N, 130-306. E, DEC. 9.1979, 01.15 KST, DEPTH 130 , COLOR , TRANS. . ,

WAVE 3, SWELL 2, WIND NW 5, BARO 1023. , AIR TEMP. DRY 11.6, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	18.22	34.530					0	18.22	34.530	24.88	308	308	.0000
10	18.30	34.560					10	18.30	34.560	24.88	308	308	.0308
20	18.28	34.550					20	18.28	34.550	24.88	308	308	.0617
30	18.63	34.590					30	18.63	34.590	24.82	314	314	.0929
50	18.63	34.570					50	18.63	34.570	24.81	315	316	.1560
75	18.56	34.540					75	18.56	34.540	24.80	315	318	.2354
100	18.40	34.550					100	18.40	34.550	24.85	311	314	.3144
125	17.16	34.380											

KOREA ,JI RI SAN , STATION 208-09 , 34-389. N, 130-405. E, DEC. 9.1979, 02.30 KST, DEPTH 130 , COLOR , TRANS. . ,

WAVE 3, SWELL 2, WIND NW 5, BARO 1023. , AIR TEMP. DRY 11.6, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	18.20	34.530					0	18.20	34.530	24.86	306	307	.0000
10	18.18	34.530					10	18.18	34.530	24.89	307	307	.0308
20	18.34	34.530					20	18.34	34.530	24.85	311	311	.0618
30	18.35	34.520					30	18.35	34.520	24.84	312	313	.0930
50	18.34	34.560					50	18.34	34.560	24.87	309	310	.1554
75	18.25	34.540					75	18.25	34.540	24.88	308	310	.2330
100	17.85	34.450					100	17.85	34.450	24.91	305	308	.3104
125	16.50	34.460											

남 해 해 양 조 사 성 적

OCEANOGRAPHIC DATA : SOUTHERN WATERS

1 9 7 9

207 선 해 양 관 측 성 적
OCEANOGRAPHIC DATA. LINE 207

2 월 (February)

KOREA ,TAE BAEK SAN , STATION 207-01 , 35-013. N, 129-072. E, FEB. 7.1979, 13.50 KST, DEPTH 80 , COLOR 3, TRANS. 18. ,

WAVE 1, SWELL 2, WIND SW 2, BARO 1020. , AIR TEMP. DRY 9.5, WET . , CLOUD. TYPE , AMT , WEATHER B ,

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	13.49	34.200								0	13.49	34.200		25.69	230	230	.0000
10	13.45	34.220								10	13.45	34.220		25.72	228	228	.0230
20	13.31	34.270								20	13.31	34.270		25.78	222	222	.0455
30	13.40	34.320								30	13.40	34.320		25.80	220	220	.0677
50	13.42	34.330								50	13.42	34.330		25.81	220	221	.1119
75	12.57	34.350															

KOREA ,TAE BAEK SAN , STATION 207-02 , 34-576. N, 129-112. E, FEB. 7.1979, 14.50 KST, DEPTH 103 , COLOR 3, TRANS. 21. ,

WAVE 1, SWELL 2, WIND SW 2, BARO 1020. , AIR TEMP. DRY 10.7, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	14.83	34.460								0	14.83	34.460		25.61	238	238	.0000
10	14.78	34.470								10	14.78	34.470		25.63	237	236	.0238
20	14.60	34.450								20	14.60	34.450		25.65	234	235	.0474
30	13.80	34.360								30	13.80	34.360		25.75	225	225	.0704
50	13.79	34.200								50	13.79	34.200		25.63	236	237	.1168
75	13.52	34.310								75	13.52	34.310		25.77	223	225	.1747
100	13.50	34.340															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D T	SVA	D DY

KOREA ,TAE BAEK SAN , STATION 207-03 , 34-539. N, 129-154. E, FEB. 7.1979, 15.50 KST, DEPTH 115 , COLOR 3, TRANS 20. ,

WAVE 1, SWELL 2, WIND SW 2, BARO 1020. , AIR TEMP. DRY 10.7, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	15.00	34.390								0	15.00	34.390		25.52	247	247	.0000
10	15.07	34.400								10	15.07	34.400		25.51	248	248	.0248
20	15.03	34.360								20	15.03	34.360		25.49	250	250	.0497
30	15.10	******								30	15.10	******		*****	***	***	******
50	15.01	34.390								50	15.01	34.390		25.52	247	248	******
75	15.06	34.380								75	15.06	34.380		25.50	249	251	******
100	14.91	34.330															

KOREA ,TAE BAEK SAN , STATION 207-04 , 34-502. N, 129-195. E, FEB. 7.1979, 16.40 KST, DEPTH 240 , COLOR 3, TRANS. 19. ,

WAVE 1, SWELL 2, WIND SW 2, BARO 1020. , AIR TEMP. DRY 10.0, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	15.07	34.440								0	15.07	34.440		25.54	245	244	.0000
10	15.09	34.490								10	15.09	34.490		25.58	241	241	.0243
20	15.09	34.510								20	15.09	34.510		25.59	240	240	.0485
30	15.09	34.510								30	15.09	34.510		25.59	240	241	.0726
50	15.12	34.470								50	15.12	34.470		25.56	244	245	.1212
75	15.00	34.470								75	15.00	34.470		25.58	241	243	.1823
100	14.98	34.470								100	14.98	34.470		25.59	241	243	.2431
125	14.71	34.470								125	14.71	34.470		25.65	235	238	.3034
150	14.70	34.460								150	14.70	34.460		25.64	236	239	.3632

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,TAE BAEK SAN , STATION 207-05 , 34-480. N, 129-218. E, FEB. 7.1979, 17.20 KST, DEPTH 160 , COLOR 3, TRANS. 16. ,																	
WAVE 1, SWELL 2, WIND SW 2, BARO 1020. , AIR TEMP. DRY 9.8, WET . , CLOUD. TYPE , AMT , WEATHER B ,																	
0	15.01	34.470								0	15.01	34.470		25.58	241	241	.0000
10	15.00	34.480								10	15.00	34.480		25.59	240	240	.0241
20	15.03	34.490								20	15.03	34.490		25.59	240	240	.0482
30	15.04	34.480								30	15.04	34.480		25.58	241	242	.0724
50	15.00	34.460								50	15.00	34.460		25.57	242	243	.1209
75	15.00	34.470								75	15.00	34.470		25.58	241	243	.1818
100	15.00	34.490								100	15.00	34.490		25.60	240	242	.2425
155	14.70	34.450															

4 월 (April)

KOREA ,TAE BAEK SAN , STATION 207-01 , 35-013. N, 129-072. E, APR. 9.1979, 10.50 KST, DEPTH 84 , COLOR 4, TRANS. 7. ,																	
WAVE . 2, SWELL 2, WIND SW 3, BARO 1010. , AIR TEMP. DRY 15.0, WET . , CLOUD. TYPE CU, AMT 10, WEATHER C ,																	
0	12.51	34.000								0	12.51	34.000		25.73	227	226	.0000
10	12.50	34.090								10	12.50	34.090		25.81	220	220	.0224
20	13.03	34.120								20	13.03	34.120		25.73	228	228	.0448
30	13.00	34.300								30	13.00	34.300		25.87	214	214	.0669
50	12.90	34.290								50	12.90	34.290		25.88	213	214	.1098
75	12.80	34.320															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	CVA	D-DY
KOREA ,TAE BAEK SAN , STATION 207-02 , 34-576. N, 129-112. E, APR. 9.1979, 11.30 KST, DEPTH 103 , COLOR 4, TRANS. 8. ,																	
WAVE 2, SWELL 2, WIND SW 3, BARO 1010. , AIR TEMP. DRY 15.0, WET . , CLOUD. TYPE CU, AMT 10, WEATHER C ,																	
0	13.02	33.930								0	13.02	33.930		25.58	241	241	.0000
10	13.03	34.200								10	13.03	34.200		25.79	222	222	.0232
20	13.60	34.310								20	13.60	34.310		25.76	225	225	.0455
30	13.05	34.330								30	13.05	34.330		25.88	212	213	.0675
50	13.85	34.310								50	13.85	34.310		25.70	229	230	.1119
75	13.52	34.310								75	13.52	34.310		25.77	223	225	.1689
98	13.25	34.330															
KOREA ,TAE BAEK SAN , STATION 207-03 , 34-539. N, 129-154. E, APR. 9.1979, 12.20 KST, DEPTH 115 , COLOR 4, TRANS. 10. ,																	
WAVE 2, SWELL 2, WIND SW 3, BARO 1010. , AIR TEMP. DRY 15.0, WET . , CLOUD. TYPE CU, AMT 10, WEATHER C ,																	
0	13.21	34.090								0	13.21	34.090		25.67	233	233	.0000
10	13.25	34.130								10	13.25	34.130		25.69	231	231	.0232
20	13.55	34.290								20	13.55	34.290		25.75	225	225	.0461
30	13.50	34.320								30	13.50	34.320		25.78	222	222	.0685
50	13.42	34.330								50	13.42	34.330		25.81	220	221	.1129
75	13.40	34.320								75	13.40	34.320		25.80	220	222	.1683
100	13.00	34.290								100	13.00	34.290		25.86	214	217	.2232
110	13.00	******															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D DY

KOREA ,TAE BAEK SAN , STATION 207-04 , 34-502. N, 129-19S. E, APR.10.1979, 10.20 KST, DEPTH 240 , COLOR 3, TRANS. 15. ,

WAVE 1, SWELL 1, WIND SW 3, BARO 1016. , AIR TEMP. DRY 13.6, WET . , CLOUD. TYPE CI, AMT 3, WEATHER BC,

0	14.60	34.370								0	14.60	34.370		25.59	240	240	.0000
10	14.38	34.320								10	14.38	34.320		25.60	239	239	.0240
20	14.38	34.330								20	14.38	34.330		25.61	239	239	.0480
30	14.26	34.330								30	14.26	34.330		25.63	236	237	.0718
50	14.22	34.320								50	14.22	34.320		25.63	236	237	.1195
75	14.30	34.340								75	14.30	34.340		25.63	236	238	.1788
100	14.30	34.340								100	14.30	34.340		25.63	236	239	.2385
125	14.16	34.330								125	14.16	34.330		25.66	234	237	.2981
150	13.90	34.320								150	13.90	34.320		25.70	230	233	.3570
200	13.55	34.320								200	13.55	34.320		25.77	223	228	.4725
235	11.20	34.280															

KOREA ,TAE BAEK SAN , STATION 207-05 , 34-490. N, 129-218. E, APR.10.1979, 11.10 KST, DEPTH 160 , COLOR 3, TRANS. 16. ,

WAVE 1, SWELL 1, WIND SW 3, BARO 1016. , AIR TEMP. DRY 13.6, WET . , CLOUD. TYPE CI, AMT 3, WEATHER BC,

0	15.00	34.420								0	15.00	34.420		25.54	245	244	.0000
10	14.23	34.330								10	14.23	34.330		25.64	236	236	.0240
20	14.26	34.330								20	14.26	34.330		25.63	236	236	.0477
30	14.25	34.220								30	14.25	34.220		25.55	244	245	.0718
50	14.22	34.310								50	14.22	34.310		25.63	237	238	.1201
75	14.30	34.310								75	14.30	34.310		25.61	238	240	.1800
100	14.33	34.310								100	14.33	34.310		25.60	239	241	.2403
125	14.27	34.300								125	14.27	34.300		25.61	239	242	.3008
150	14.20	34.360															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D DY

6 월 (June)

KOREA ,TAE BAEK SAN , STATION 207-01 , 35-013. N, 129-072. E, JUN.12.1979, 22.40 KST, DEPTH 84 , COLOR , TRANS. . ,

1, SWELL , WIND NW 2, BARO 1005. , AIR TEMP. DRY 17.5, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	18.49	33.880								0	18.49	33.880		24.31	362	361	.0000
10	16.69	33.940								10	16.69	33.940		24.79	316	316	.0339
20	14.55	34.140								20	14.55	34.140		25.43	256	256	.0626
30	14.30	34.150								30	14.30	34.150		25.49	250	251	.0880
50	14.12	34.310								50	14.12	34.310		25.65	235	236	.1367
75	14.10	34.310															

KOREA ,TAE BAEK SAN , STATION 207-02 , 34-576. N, 129-112. E, JUN.12.1979, 22.00 KST, DEPTH 103 , COLOR , TRANS. . ,

WAVE 1, SWELL , WIND NW 2, BARO 1005. , AIR TEMP. DRY 19.0, WET . , CLOUD. TY , AMT , WEATHER ,

0	18.93	34.170								0	18.93	34.170		24.42	351	351	.0000
10	17.06	33.860								10	17.06	33.860		24.65	330	330	.0341
20	14.88	34.060								20	14.88	34.060		25.29	269	269	.0641
30	14.50	34.080								30	14.50	34.080		25.39	259	260	.0906
50	14.32	34.070								50	14.32	34.070		25.42	256	257	.1424
75	14.20	34.290								75	14.20	34.290		25.62	238	240	.2047
100	14.20	34.320															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,TAE BAEK SAN , STATION 207-03 , 34-539. N, 129-154. E, JUN.12.1979, 21.20 KST, DEPTH 115 , COLOR , TRANS. , ,																	
WAVE 1, SWELL , WIND N , BARO 1005. , AIR TEMP. DRY 19.5, WET , , CLOUD. TYPE , AMT , WEATHER ,																	
0	18.80	34.060								0	18.80	34.060		24.37	356	356	.0000
10	18.40	33.670								10	18.40	33.670		24.18	375	375	.0366
20	15.82	33.800								20	15.82	33.800		24.89	307	308	.0708
30	14.70	34.110								30	14.70	34.110		25.37	261	262	.0993
50	14.57	34.240								50	14.57	34.240		25.50	249	250	.1506
75	14.56	34.350								75	14.56	34.350		25.59	241	243	.2123
100	14.35	34.330								100	14.35	34.330		25.61	238	240	.2727
110	14.31	34.140															
KOREA ,TAE BAEK SAN , STATION 207-04 , 34-502. N, 129-195. E, JUN.12.1979, 20.30 KST, DEPTH 240 , COLOR , TRANS. , ,																	
WAVE 1, SWELL , WIND NW 2, BARO 1005. , AIR TEMP. DRY 20.0, WET , , CLOUD. TYPE , AMT , WEATHER ,																	
0	18.99	33.630								0	18.99	33.630		24.00	392	392	.0000
10	19.25	33.170								10	19.25	33.170		23.58	432	432	.0412
20	18.54	34.240								20	18.54	34.240		24.58	337	337	.0797
30	17.05	34.100								30	17.05	34.100		24.83	312	313	.1125
50	15.18	33.670								50	15.18	33.670		24.93	303	304	.1741
75	14.60	34.260								75	14.60	34.260		25.51	248	250	.2435
100	14.52	34.320								100	14.52	34.320		25.57	242	245	.3054
125	14.58	34.340								125	14.58	34.340		25.57	242	245	.3668
150	14.55	34.350								150	14.55	34.350		25.59	241	244	.4281
200	14.15	34.360															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D DY

KOREA ,TAE BAEK SAN , STATION 207-05 , 34-480. N, 129-218. E, JUN.12.1979, 20.00 KST, DEPTH 160 , COLOR 4, TRANS. 16. ,

WAVE 1, SWELL , WIND NW 2, BARO 1005. , AIR TEMP. DRY 20.1, WET . , CLOUD. TYPE , AMT , WEATHER .

0	19.95	34.200						0	19.95	34.200		24.19	374	374	.0000
10	19.25	34.240						10	19.25	34.240		24.40	354	354	.0364
20	18.77	34.240						20	18.77	34.240		24.52	342	343	.0715
30	16.98	34.220						30	16.98	34.220		24.94	302	303	.1036
50	15.55	34.170						50	15.55	34.170		25.23	275	276	.1616
75	14.70	34.180						75	14.70	34.180		25.42	257	258	.2284
100	14.50	34.160						100	14.50	34.160		25.45	253	256	.2927
125	14.50	34.300						125	14.50	34.300		25.56	243	246	.3556
155	14.54	34.300													

8 월 (August)

KOREA ,TAE BAEK SAN , STATION 207-01 , 35-013. N, 129-072. E, AUG. 6.1979, 19.30 KST, DEPTH 84 , COLOR , TRANS. .

WAVE S 2, SWELL S 1, WIND S 2, BARO 1001. , AIR TEMP. DRY 26.0, WET . , CLOUD. TYPE CC, AMT 8, WEATHER C ,

0	24.24	31.220						0	24.24	31.220		20.74	704	703	.0000
10	17.96	33.320						10	17.96	33.320		24.02	396	390	.0547
20	15.18	33.990						20	15.18	33.990		25.17	280	280	.0883
30	15.02	34.190						30	15.02	34.190		25.36	262	262	.1155
50	14.83	34.190						50	14.83	34.190		25.40	258	259	.1677
75	12.45	34.180													

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,TAE BAEK SAN , STATION 207-02 , 34-576. N, 129-112. E, AUG. 6.1979, 20.20 KST, DEPTH 100 , COLOR , TRANS. , ,																	
WAVE S 2, SWELL S 1, WIND S 2, BARO 1001. , AIR TEMP. DRY 26.4, WET . , CLOUD. TYPE CC, AMT 8, WEATHER C ,																	
0	25.90	32.190								0	25.90	32.190		20.97	681	681	.0000
10	25.83	32.030								10	25.83	32.080		20.91	687	687	.0685
20	23.20	32.340								20	23.20	32.340		21.89	594	594	.1326
30	16.23	33.620								30	16.23	33.620		24.65	329	330	.1788
50	15.00	34.220								50	15.00	34.220		25.39	259	260	.2380
75	14.16	34.290								75	14.16	34.290		25.62	237	239	.3005
95	10.06	34.240															
KOREA ,TAE BAEK SAN , STATION 207-03 , 34-539. N, 129-154. E, AUG. 6.1979, 21.00 KST, DEPTH 115 , COLOR , TRANS. , ,																	
WAVE S 2, SWELL S 1, WIND S 3, BARO 1002. , AIR TEMP. DRY 27.0, WET . , CLOUD. TYPE CS, AMT 10, WEATHER C ,																	
0	26.06	32.050								0	26.06	32.050		20.82	696	696	.0000
10	26.50	31.950								10	26.50	31.950		20.60	717	717	.0707
20	19.58	33.060								20	19.58	33.060		23.41	448	448	.1290
30	16.83	33.570								30	16.83	33.570		24.48	346	347	.1687
50	15.65	34.280								50	15.65	34.280		25.29	269	270	.2305
75	15.25	34.280								75	15.25	34.280		25.38	260	262	.2971
100	14.99	34.220								100	14.99	34.220		25.39	259	262	.3627
110	12.37	34.250															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D T	SVA	D DY
KOREA ,TAE BAEK SAN , STATION 207-04 , 34-502. N, 129-195. E, AUG. 6.1979, 22.10 KST, DEPTH 230 , COLOR ., TRANS. . ,																	
WAVE S 2, SWELL S 1, WIND S 3, BARO 1002. , AIR TEMP. DRY 27.1, WET . , CLOUD. TYPE CS, AMT 10, WEATHER C ,																	
0	27.31	31.960								0	27.31	31.960		20.36	740	740	.0000
10	25.75	32.310								10	25.75	32.310		21.11	668	668	.0705
20	22.99	33.170								20	22.99	33.170		22.57	528	528	.1304
30	21.31	34.160								30	21.31	34.160		23.79	412	412	.1774
50	18.46	34.210								50	18.46	34.210		24.57	337	338	.2526
75	17.07	33.010								75	17.07	33.010		23.99	392	394	.3443
100	16.24	33.330								100	16.24	33.330		24.43	351	353	.4378
125	15.58	33.470								125	15.58	33.470		24.69	326	329	.5233
150	12.38	33.870								150	12.38	33.870		25.66	234	237	.5942
200	10.02	******								200	10.02	******		*****	***	***	******
225	8.21	34.290															
KOREA ,TAE BAEK SAN , STATION 207-05 , 34-480. N, 129-213. E, AUG. 6.1979, 23.30 KST, DEPTH 155 , COLOR , TRANS. . ,																	
WAVE S 2, SWELL S 1, WIND S 3, BARO 1003. , AIR TEMP. DRY 27.1, WET . , CLOUD. TYPE CS, AMT 10, WEATHER C ,																	
0	27.02	32.120								0	27.02	32.120		20.57	720	720	.0000
10	24.17	32.340								10	24.17	32.340		21.60	621	621	.0671
20	19.20	33.080								20	19.20	33.080		23.53	437	437	.1200
30	17.01	33.860								30	17.01	33.860		24.66	329	330	.1584
50	16.70	33.900								50	16.70	33.900		24.76	319	320	.2235
75	15.81	33.840								75	15.81	33.840		24.92	304	306	.3019
100	15.50	34.030								100	15.50	34.030		25.13	284	286	.3761
125	14.78	34.350								125	14.78	34.350		25.54	245	248	.4430
150	13.73	34.130															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D T	SVA	D-DY
10 월 (October)																	
KOREA ,TAE BAEK SAN , STATION 207-01 , 35-013. N, 129-172. E, OCT.10.1979, 16.20 KST, DEPTH 84 , COLOR 4, TRANS. 9. ,																	
WAVE 2, SWELL 2, WIND W 4, BARO 1012. , AIR TEMP. DRY 24.4, WET . , CLOUD. TYPE AS, AMT 4, WEATHER BC,																	
0	21.88	33.040								0	21.88	33.040		22.79	508	507	.0000
10	21.71	33.250								10	21.71	33.250		22.99	488	488	.0498
20	21.96	33.300								20	21.96	33.300		22.96	491	491	.0988
30	21.69	33.470								30	21.69	33.470		23.16	472	472	.1471
50	20.65	33.530								50	20.65	33.530		23.49	440	442	.2385
75	17.54	33.930															
KOREA ,TAE BAEK SAN , STATION 207-02 , 34-576. N, 129-112. E, OCT.10.1979, 18.20 KST, DEPTH 103 , COLOR , TRANS. , ,																	
WAVE 2, SWELL 2, WIND W 4, BARO 1011.5, AIR TEMP. DRY 18.2, WET . , CLOUD. TYPE AS, AMT 4, WEATHER BC,																	
0	22.14	33.150								0	22.14	33.150		22.80	507	506	.0000
10	21.69	33.030								10	21.69	33.030		22.83	503	503	.0505
20	22.06	33.220								20	22.06	33.220		22.87	499	500	.1007
30	22.37	33.340								30	22.37	33.340		22.88	499	500	.1508
50	18.40	33.150								50	18.40	33.150		23.78	413	414	.2422
75	15.45	34.310								75	15.45	34.310		25.36	262	274	.3271
100	15.44	34.380															
KOREA ,TAE BAEK SAN , STATION 207-03 , 34-539. N, 129-154. E, OCT.10.1979, 19.40 KST, DEPTH 115 , COLOR , TRANS. , ,																	
WAVE , SWELL , WIND W 4, BARO 1010.2, AIR TEMP. DRY 17.8, WET . , CLOUD. TYPE , AMT , WEATHER BC,																	
0	21.71	33.010								0	21.71	33.010		22.81	505	505	.0000
10	22.56	33.240								10	22.56	33.240		22.75	511	511	.0509
20	24.35	34.300								20	24.35	34.300		23.03	484	485	.1007
30	24.45	34.220								30	24.45	34.220		22.94	493	494	.1497
50	23.83	34.170								50	23.83	34.170		23.09	479	480	.2472
75	18.85	34.060								75	18.85	34.060		24.36	357	359	.3523
100	15.70	34.140								100	15.70	34.140		25.17	280	282	.4326

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 207-04 , 34-502. N, 129-195. E, OCT.10.1979, 20.35 KST, DEPTH 240 , COLOR , TRANS. . ,

WAVE , SWELL , WIND W 4, BARO 1010.2, AIR TEMP. DRY 17.5, WET . , CLOUD. TYPE , AMT , WEATHER BC,

0	24.20	34.110								0	24.20	34.110		22.93	494	494	.0000
10	24.34	34.130								10	24.34	34.130		22.90	496	496	.0495
20	24.37	34.130								20	24.37	34.130		22.90	497	498	.0993
30	24.40	34.130								30	24.40	34.130		22.89	498	499	.1492
50	24.01	34.120								50	24.01	34.120		22.99	488	489	.2480
75	23.55	34.200								75	23.55	34.200		23.19	469	471	.3682
100	21.69	34.180								100	21.69	34.180		23.70	420	423	.4801
125	20.21	34.180								125	20.21	34.180		24.10	384	386	.5813
150	17.08	34.190								150	17.08	34.190		24.89	307	311	.6685
200	15.86	34.130								200	15.86	34.130		25.13	284	289	.8188
235	15.55	34.160															

KOREA ,TAE BAEK SAN , STATION 207-05 , 34-480. N, 129-218. E, OCT.10.1979, 21.50 KST, DEPTH 160 , COLOR , TRANS. . ,

WAVE , SWELL , WIND W 4, BARO 1010.2, AIR TEMP. DRY 17.3, WET . , CLOUD. TYPE , AMT , WEATHER BC,

0	24.35	34.180								0	24.35	34.180		22.91	77	77	.0000
10	24.10	34.100								10	24.10	34.100		22.95	492	492	.0285
20	23.93	34.070								20	23.93	34.070		22.98	489	489	.0776
30	23.58	34.030								30	23.58	34.030		23.05	482	483	.1263
50	23.15	34.030								50	23.15	34.030		23.18	470	472	.2211
75	21.84	34.020								75	21.84	34.020		23.54	436	438	.3356
100	17.79	34.300								100	17.79	34.300		24.81	315	318	.4302
125	16.92	34.230															

12 월 (December)

KOREA ,TAE BAEK SAN , STATION 207-01 , 35-013. N, 129-072. E, DEC. 6.1979, 14.20 KST, DEPTH 84 , COLOR 3, TRANS. 13. ,

WAVE 2, SWELL 1, WIND SE 1, BARO 1020. , AIR TEMP. DRY 15.5, WET . , CLOUD. TYPE , AMT , WEATHER B ,

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	16.55	34.200								0	16.55	34.200		25.03	294	294	.0000
10	16.45	34.190								10	16.45	34.190		25.04	293	293	.0294
20	16.40	34.200								20	16.40	34.200		25.06	291	291	.0586
30	16.37	34.240								30	16.37	34.240		25.10	287	288	.0876
50	15.76	34.220								50	15.76	34.220		25.22	275	276	.1441
75	15.69	34.220															

KOREA ,TAE BAEK SAN , STATION 207-02 , 34-576. N, 129-112. E, DEC. 6.1979, 15.10 KST, DEPTH 103 , COLOR 3, TRANS. 14. ,

WAVE 2, SWELL 1, WIND SE 1, BARO 1020. , AIR TEMP. DRY 16.0, WET . , CLOUD. TYPE AS, AMT 2, WEATHER B ,

0	19.33	34.220								0	19.33	34.220		24.36	357	357	.0000
10	19.32	34.180								10	19.32	34.180		24.33	360	360	.0359
20	18.87	34.230								20	18.87	34.230		24.49	345	346	.0712
30	18.10	34.330								30	18.10	34.330		24.75	320	320	.1046
50	16.10	34.320								50	16.10	34.320		25.22	275	277	.1644
75	15.47	34.120								75	15.47	34.120		25.21	277	278	.2339
98	15.20	34.120															

KOREA ,TAE BAEK SAN , STATION 207-03 , 34-539. N, 129-154. E, DEC. 6.1979, 15.50 KST, DEPTH 115 , COLOR 3, TRANS. 14. ,

WAVE 2, SWELL 1, WIND SE 1, BARO 1020. , AIR TEMP. DRY 16.4, WET . , CLOUD. TYPE AS, AMT 2, WEATHER B ,

0	19.12	34.510								0	19.12	34.510		24.64	331	331	.0000
10	19.20	34.510								10	19.20	34.510		24.62	333	333	.0332
20	19.22	34.490								20	19.22	34.490		24.60	335	335	.0667
30	19.00	34.490								30	19.00	34.490		24.65	330	330	.1001
50	18.94	34.480								50	18.94	34.480		24.66	329	330	.1662
75	18.17	34.410								75	18.17	34.410		24.80	316	316	.2473
100	16.22	34.440								100	16.22	34.440		25.29	269	272	.3212
110	16.51	34.270															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	[illegible]	[illegible]

KOREA ,TAE BAEK SAN , STATION 207-04 , 34-50?. N, 129-19?. E, DEC. 6.1979, 16.40 KST, DEPTH 240 , COLOR 3, TRANS. [illegible]

WAVE 2, SWELL 1, WIND SE 2, BARO 1020. , AIR TEMP. DRY 15.4, WET . , CLOUD. TYPE AS, AMT 3, WEATHER BC,

0	19.27	34.530								0	19.27	34.530		24.61	333	333	.0000
10	19.28	34.520								10	19.28	34.520		24.60	334	334	.0334
20	19.15	34.490								20	19.15	34.490		24.61	333	334	.0669
30	18.17	34.370								30	18.17	34.370		24.77	319	319	.0996
50	17.99	34.340								50	17.99	34.340		24.79	317	318	.1634
75	17.10	34.290								75	17.10	34.290		[illegible]	[illegible]	[illegible]	[illegible]
100	17.23	34.430								100	17.23	34.430		25.04	293	295	.3137
125	17.12	34.540								125	17.12	34.540		25.15	282	285	.5884
150	15.36	34.500								150	15.36	34.500		25.53	246	250	.4555
200	9.49	34.300								200	9.49	34.300		26.51	153	157	.5574
235	8.83	34.290															

KOREA ,TAE BAEK SAN , STATION 207-05 , 34-49?. N, 129-21?. E, DEC. 6.1979, 17.40 KST, DEPTH 160 , COLOR , TRANS.

WAVE 2, SWELL 1, WIND SE 1, BARO 1020. , AIR TEMP. DRY 14.2, WET . , CLOUD. TYPE AS, AMT 3, WEATHER BC,

0	19.15	34.530								0	19.15	34.530		24.64	330	330	.0000
10	19.30	34.510								10	19.30	34.510		24.59	336	[illegible]	[illegible]
20	19.20	34.490								20	19.20	34.490		24.60	335	335	.0669
30	19.03	34.480								30	19.03	34.480		24.64	331	332	.1003
50	18.99	34.470								50	18.99	34.470		24.64	331	332	.1668
75	17.59	34.290								75	17.59	34.290		24.85	311	313	.2475
100	17.16	34.430								100	17.16	34.430		25.06	291	294	.3235

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D DY

2 월 (February)

KOREA ,TAE BAEK SAN , STATION 206-01 , 34-355. N, 129-345. E, FEB. 8.1979, 03.15 KST, DEPTH 62 , COLOR , TRANS. . . ,

WAVE , SWELL , WIND , BARO 1020. , AIR TEMP. DRY 2.3, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	13.50	34.380		0	13.50	34.380	25.83	217	217	.0000
10	13.41	34.380		10	13.41	34.380	25.83	216	216	.0000
20	13.43	34.400		20	13.43	34.400	25.86	215	.215	.0433
30	13.60	34.400		30	13.60	34.400	25.83	218	218	.0650
50	13.42	34.360		50	13.42	34.360	25.83	217	218	.1088
57	13.00	34.340								

KOREA ,TAE BAEK SAN , STATION 206-02 , 34-296. N, 128-412. E, FEB. 8.1979, 01.30 KST, DEPTH 70 , COLOR , TRANS. . . ,

WAVE , SWELL , WIND , BARO 1020. , AIR TEMP. DRY 2.3, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	13.41	34.350		0	13.41	34.350	25.83	217	217	.0000
10	13.50	34.360		10	13.50	34.360	25.82	219	219	.0219
20	13.50	34.360		20	13.50	34.360	25.82	219	219	.0438
30	13.46	34.360		30	13.46	34.360	25.82	218	219	.0655
50	13.51	34.370		50	13.51	34.370	25.82	216	219	.1097
65	13.50	34.360								

KOREA ,TAE BAEK SAN , STATION 206-03 , 34-224. N, 128-497. E, FEB. 8.1979, 00.45 KST, DEPTH 94 , COLOR , TRANS.

WAVE , SWELL , WIND , BARO 1020. , AIR TEMP. DRY 2.7, WET . , CLOUD. TYPE , AMT , WEATHER

0	13.80	34.430		0	13.80	34.430	25.81	220	219	.0000
10	13.73	34.440		10	13.73	34.440	25.83	218	218	.0219
20	13.56	34.400		20	13.56	34.400	25.83	217	217	.0433
30	13.54	34.380		30	13.54	34.380	25.82	216	219	.0655
50	13.43	34.400		50	13.43	34.400	25.86	215	216	.1091
75	13.21	34.360		75	13.21	34.360	25.87	213	.215	.1611
90	13.03	34.350								

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA T	D-T	SVA	D DY

KOREA ,TAE BAEK SAN , STATION 206-04 , 34-153. N, 128-580. E, FEB. 7.1979, 23.30 KST, DEPTH 110 , COLOR , TRANS. , ,

WAVE 1, SWELL 2, WIND , BARO 1020. , AIR TEMP. DRY 9.8, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	14.95	34.360								0	14.95	34.360		25.51	248	248	.0000
10	15.00	34.400								10	15.00	34.400		25.53	246	246	.0247
20	14.40	34.420								20	14.40	34.420		25.67	232	233	.0487
30	13.82	34.420								30	13.82	34.420		25.80	221	221	.0715
50	13.52	34.360								50	13.52	34.360		25.81	219	220	.1157
75	13.52	34.350								75	13.52	34.350		25.80	220	222	.1711
100	14.31	34.350															

KOREA ,TAE BAEK SAN , STATION 206-05 , 34-081. N, 129-063. E, FEB. 7.1979, 22.30 KST, DEPTH 130 , COLOR , TRANS. , ,

WAVE 1, SWELL 2, WIND , BARO 1020. , AIR TEMP. DRY 9.8, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	14.00	34.380								0	14.00	34.380		25.73	227	227	.0000
10	14.08	34.330								10	14.08	34.330		25.67	233	233	.0230
20	13.38	34.340								20	13.38	34.340		25.82	218	218	.0456
30	13.27	34.320								30	13.27	34.320		25.83	217	218	.0675
50	13.11	34.320								50	13.11	34.320		25.86	214	215	.1109
75	12.92	34.310								75	12.92	34.310		25.89	211	213	.1646
100	12.47	34.260															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

3 월 (March)

KOREA ,TAE BAEK SAN , STATION 206-01 , 34-355. N, 129-345. E, MAR.22.1979, 05.30 KST, DEPTH 58 , COLOR , TRANS. .

WAVE SW 2, SWELL SW 1, WIND SW 2, BARO 1017.5, AIR TEMP. DRY 8.6, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	12.57	34.380	0	12.57	34.380	26.02	200	199	.0000
10	12.64	34.380	10	12.64	34.380	26.00	201	201	.0201
20	12.64	34.380	20	12.64	34.380	26.00	201	201	.0402
30	12.53	34.340	30	12.53	34.340	25.99	202	202	.0605
50	12.34	34.350							

KOREA ,TAE BAEK SAN , STATION 206-02 , 34-296. N, 128-412. E, MAR.22.1979, 06.30 KST, DEPTH 75 , COLOR , TRANS. .

WAVE SW 2, SWELL SW 1, WIND SW 2, BARO 1018. , AIR TEMP. DRY 9.2, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	12.63	34.380	0	12.63	34.380	26.01	201	201	.0000
10	12.62	34.390	10	12.62	34.390	26.01	200	200	.0201
20	12.59	34.360	20	12.59	34.360	26.00	202	202	.0402
30	12.61	34.350	30	12.61	34.350	25.99	203	203	.0605
50	12.61	34.360	50	12.61	34.360	25.99	202	203	.1012
70	12.49	34.370							

KOREA ,TAE BAEK SAN , STATION 206-03 , 34-224. N, 128-497. E, MAR.22.1979, 07.40 KST, DEPTH 90 , COLOR 3, TRANS. .

WAVE SW 2, SWELL SW 1, WIND SW 2, BARO 1019. , AIR TEMP. DRY 13.5, WET . , CLOUD. TYPE CI> AMT 2, WEATHER B ,

0	13.31	34.380	0	13.31	34.380	25.87	214	213	.0000
10	13.30	34.400	10	13.30	34.400	25.89	212	212	.0213
20	13.37	34.380	20	13.37	34.380	25.86	215	215	.0427
30	13.30	34.360	30	13.30	34.360	25.86	215	216	.0643
50	13.33	34.240	50	13.33	34.240	25.76	224	225	.1085
75	13.13	34.350	75	13.13	34.350	25.88	213	214	.1636
85	12.94	34.180							

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA T	DT	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 206-04 , 34-153. N, 128-580. E, MAR.22.1979, 08.50 KST, DEPTH 110 , COLOR , TRANS. . ,

WAVE SW 2, SWELL SW 1, WIND SW 2, BARO 1019. , AIR TEMP. DRY 15.2, WET . , CLOUD. TYPE CI, AMT 2, WEATHER B ,

0	13.60	34.320								0	13.60	34.320		25.76	224	224	.0000
10	13.30	34.310								10	13.30	34.310		25.82	219	219	.0222
20	13.19	34.370								20	13.19	34.370		25.89	212	212	.0438
30	13.15	34.390								30	13.15	34.390		25.91	210	210	.0650
50	12.60	34.300								50	12.60	34.300		25.95	206	207	.1068
75	12.60	34.240								75	12.60	34.240		25.90	211	212	.1594
100	11.85	34.250															

KOREA ,TAE BAEK SAN , STATION 206-05 , 34-081. N, 129-063. E, MAR.22.1979, 10.10 KST. DEPTH 130 , COLOR 4. TRANS. . ,

WAVE SW 1, SWELL SW 1, WIND S 2, BARO 1019. , AIR TEMP. DRY .0, WET . , CLOUD. TYPE CI, AMT 2, WEATHER B ,

0	14.60	34.240								0	14.60	34.240		25.49	250	249	.0000
10	14.19	34.380								10	14.19	34.380		25.69	231	231	.0241
20	14	34.230								20	14.14	34.230		25.58	241	241	.0477
30	13.65	34.290								30	13.65	34.290		25.73	227	227	.0712
50	13.09	34.360								50	13.09	34.360		25.90	211	212	.1153
75	12.46	34.350								75	12.46	34.350		26.02	200	201	.1671
100	11.80	34.040								100	11.80	34.040		25.90	211	213	.2190
125	11.70	34.070															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

4 월 (April)

KOREA ,TAE BAEK SAN , STATION 206-01 , 34-355. N, 128-345. E, APR.10.1979, 21.00 KST, DEPTH 62 , COLOR , TRANS. . ,

WAVE , SWELL , WIND , BARO 1011. , AIR TEMP. DRY 12.6, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	12.85	34.210				0	12.85	34.210	25.83	218	217	.0000
10	12.86	34.250				10	12.86	34.250	25.86	215	215	.0216
20	12.55	34.240				20	12.55	34.240	25.91	210	210	.0429
30	12.70	34.250				30	12.70	34.250	25.89	212	212	.0641
50	12.60	34.240										

KOREA ,TAE BAEK SAN , STATION 206-02 , 34-296. N, 128-412. E, APR.10.1979, 19.50 KST, DEPTH 70 , COLOR , TRANS. . ,

WAVE 1, SWELL 1, WIND SW 3, BARO 1012. , AIR TEMP. DRY 12.7, WET . , CLOUD. TYPE NS, AMT 10, WEATHER C ,

0	13.75	34.330				0	13.75	34.330	25.74	226	226	.0000
10	13.50	34.310				10	13.50	34.310	25.78	223	223	.0225
20	13.41	34.310				20	13.41	34.310	25.80	221	221	.0447
30	12.95	34.310				30	12.95	34.310	25.89	212	212	.0664
50	12.77	34.270										

KOREA ,TAE BAEK SAN , STATION 206-03 , 34-224. N, 128-497. E, APR.10.1979, 18.30 KST, DEPTH 94 , COLOR 3, TRANS. 11. ,

WAVE 1, SWELL 1, WIND SW 3, BARO 1012. , AIR TEMP. DRY 13.0, WET . , CLOUD. TYPE NS, AMT 10, WEATHER C ,

0	13.68	34.320				0	13.68	34.320	25.75	225	225	.0000
10	13.40	34.310				10	13.40	34.310	25.80	221	221	.0223
20	13.52	34.270				20	13.52	34.270	25.74	226	226	.0447
30	13.30	34.280				30	13.30	34.280	25.79	221	221	.0671
50	13.12	34.270				50	13.12	34.270	25.82	218	219	.1115
75	13.00	34.270										

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA ,TAE BAEK SAN , STATION 206-04 , 34-153. N, 128-580. E, APR.10.1979, 17.10 KST, DEPTH 110 , COLOR 3, TRANS. 15. ,																	
WAVE 1. SWELL 1, WIND SW 3, BARO 1012. , AIR TEMP. DRY 13.4, WET . , CLOUD. TYPE NS, AMT 10, WEATHER C ,																	
0	13.90	34.310								0	13.90	34.310		25.69	230	230	.0000
10	13.71	34.280								10	13.71	34.280		25.71	229	229	.0230
20	13.77	34.290								20	13.77	34.290		25.71	229	230	.0460
30	13.70	34.320								30	13.70	34.320		25.74	226	226	.0688
50	13.82	34.310								50	13.82	34.310		25.71	229	230	.1145
75	13.00	34.290								75	13.00	34.290		25.86	214	216	.1704
100	12.41	34.260															
KOREA ,TAE BAEK SAN , STATION 206-05 , 34-081. N, 129-063. E, APR.10.1979, 16.30 KST, DEPTH 130 , COLOR 3, TRANS. 15. ,																	
WAVE 1, SWELL 1, WIND SW 3, BARO 1012. , AIR TEMP. DRY 14.8, WET . , CLOUD. TYPE NS, AMT 10, WEATHER C ,																	
0	15.08	34.890								0	15.08	34.890		25.89	212	212	.0000
10	14.62	34.330								10	14.62	34.330		25.56	243	243	.0228
20	15.61	34.330								20	15.61	34.330		25.34	264	264	.0483
30	14.61	34.310								30	14.61	34.310		25.54	245	245	.0738
50	14.40	34.340								50	14.40	34.340		25.61	238	239	.1223
75	14.20	34.290								75	14.20	34.290		25.62	238	240	.1823
100	13.95	34.290								100	13.95	34.290		25.67	233	235	.2418
125	13.90	34.260															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
6 월 (June)																	
KOREA ,TAE BAEK SAN , STATION 206-01 , 34-355. N, 128-345. E, JUN.12.1979, 11.20 KST, DEPTH 62 , COLOR 5, TRANS. 6. ,																	
WAVE 1, SWELL , WIND NW 2, BARO 1005. , AIR TEMP. DRY 22.6, WET . , CLOUD. TYPE AS, AMT 6, WEATHER BC,																	
0	17.20	33.420								0	17.20	33.420		24.28	362	365	.0000
10	15.90	34.360								10	15.90	34.360		25.30	268	268	.0317
20	15.50	34.430								20	15.50	34.430		25.44	255	255	.0579
30	15.19	34.280								30	15.19	34.280		25.39	259	259	.0837
50	15.08	34.110															
KOREA ,TAE BAEK SAN , STATION 206-02 , 34-296. N, 128-412. E, JUN.12.1979, 12.20 KST, DEPTH 70 , COLOR 4, TRANS. 7. ,																	
WAVE 1, SWELL , WIND NW 2, BARO 1005. , AIR TEMP. DRY 24.4, WET . , CLOUD. TYPE AS, AMT 6, WEATHER BC,																	
0	18.39	33.950								0	18.39	33.950		24.39	354	354	.0000
10	15.69	33.960								10	15.69	33.960		25.04	293	293	.0334
20	14.70	34.040								20	14.70	34.040		25.32	266	267	.0604
30	14.49	34.210								30	14.49	34.210		25.49	250	250	.0868
50	14.45	34.240															
KOREA ,TAE BAEK SAN , STATION 206-03 , 34-224. N, 128-497. E, JUN.12.1979, 13.30 KST, DEPTH 94 , COLOR 4, TRANS. 15. ,																	
WAVE 1, SWELL , WIND NW 2, BARO 1005. , AIR TEMP. DRY 23.4, WET . , CLOUD. TYPE AS, AMT 5, WEATHER BC,																	
0	18.90	33.790								0	18.90	33.790		24.14	378	378	.0000
10	17.78	33.800								10	17.78	33.800		24.43	351	351	.0365
20	14.92	34.020								20	14.92	34.020		25.25	272	273	.0677
30	14.70	34.100								30	14.70	34.100		25.36	262	262	.0945
50	14.60	34.170								50	14.60	34.170		25.44	255	256	.1464

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	[illegible]	TOTAL-P	SIO2-N	NO3-N	[illegible]	[illegible]	DEPTH	TEMP	SAL	O2	SIGMA-T	D T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 206-04 , 34-153. N, 128-580. E, JUN.12.1979, 14.40 KST, DEPTH 110 , COLOR 4, TRANS. 16.,

WAVE 1, SWELL , WIND NW 2, BARO 1005. , AIR TEMP. DRY 24.0, WET . , CLOUD. TYPE AS, AMT 5, WEATHER BC,

0	18.98	33.770	0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.0000
10	17.84	33.790	10	[illegible]	33.790	[illegible]	[illegible]	[illegible]	.0369
20	15.36	33.870	20	[illegible]	33.870	[illegible]	[illegible]	[illegible]	.0701
30	14.52	34.050	30	14.52	34.050	25.36	262	262	.0986
50	14.20	34.050	50	14.20	34.050	25.43	255	256	.1506
75	14.18	34.220							

KOREA ,TAE BAEK SAN , STATION 206-05 , 34-081. N, 129-063. E, JUN.12.1979, 15.40 KST, DEPTH 125 , COLOR 4, TRANS. 17. ,

WAVE 1, SWELL , WIND NW 2, BARO 1005. , AIR TEMP. DRY 22.9, WET . , CLOUD. TYPE AS, AMT 5, WEATHER BC,

0	20.00	33.670	0	20.00	33.670	23.77	414	413	.0000
10	19.83	33.990	10	19.83	33.990	24.06	386	386	.0400
20	18.44	33.970	20	18.44	33.970	24.40	354	354	.0771
30	16.48	34.080	30	16.48	34.080	24.9[illegible]	301	302	.1100
50	15.10	34.180	50	15.10	34.180	25.34	264	265	.1668
75	15.12	34.230	75	15.12	34.230	25.3[illegible]	261	263	.2330
100	14.33	34.250							

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

8 월 (August)

KOREA ,TAE BAEK SAN , STATION 206-01 , 34-355. N, 128-345. E, AUG. 7.1979, 11.20 KST, DEPTH 60 , COLOR , TRANS. . ,

WAVE NE 4, SWELL N 2, WIND NE 4, BARO 1007. , AIR TEMP. DRY 23.6, WET . , CLOUD. TYPE AS, AMT 10, WEATHER C ,

0	22.91	32.680								0	22.91	32.680		22.23	561	561	.0000
10	21.99	32.770								10	21.99	32.770		22.55	530	530	.0546
20	19.33	33.170								20	19.33	33.170		23.56	434	434	.1029
30	16.77	33.760								30	16.77	33.760		24.64	331	332	.1412
50	15.25	34.060															

KOREA ,TAE BAEK SAN , STATION 206-02 , 34-296. N, 128-412. E, AUG. 7.1979, 09.30 KST, DEPTH 70 , COLOR 4, TRANS. 10. ,

WAVE NE 4, SWELL N 2, WIND NE 4, BARO 1007. , AIR TEMP. DRY 24.6, WET . , CLOUD. TYPE AS, AMT 10, WEATHER C ,

0	25.73	32.370								0	25.73	32.370		21.16	663	663	.0000
10	21.25	32.690								10	21.25	32.690		22.69	517	517	.0590
20	19.16	33.040								20	19.16	33.040		23.51	439	439	.1069
30	16.21	33.670								30	16.21	33.670		24.70	325	326	.1452
50	14.71	34.140															

KOREA ,TAE BAEK SAN , STATION 206-03 , 34-224. N, 128-497. E, AUG. 7.1979, 07.40 KST, DEPTH 95 , COLOR , TRANS. . ,

WAVE NE 4, SWELL N 2, WIND NE 4, BARO 1006. , AIR TEMP. DRY 24.8, WET . , CLOUD. TYPE AS, AMT 10, WEATHER C ,

0	26.50	33.130								0	26.50	33.130		21.49	632	631	.0000
10	26.64	32.020								10	26.64	32.020		20.61	716	716	.0674
20	22.98	33.130								20	22.98	33.130		22.55	531	531	.1298
30	19.90	33.190								30	19.90	33.190		23.43	446	447	.1787
50	16.19	33.630								50	16.19	33.630		24.67	328	329	.2564

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 206-04 , 34-153. N, 128-580. E, AUG. 7.1979, 06.00 KST, DEPTH 110 , COLOR 3, TRANS. . ,

WAVE NE 4, SWELL N 2, WIND NE 4, BARO 1005. , AIR TEMP. DRY 25.2, WET . , CLOUD. TYPE AS, AMT 10, WEATHER C ,

0	20.93	31.830								0	20.93	31.830		22.13	571	570	.0000
10	20.19	31.770								10	20.19	31.770		22.28	556	556	.0564
20	22.31	32.460								20	22.31	32.460		22.23	561	561	.1123
30	20.74	33.690								30	20.74	33.640		23.58	432	432	.1621
50	18.73	34.060								50	18.73	34.060		24.39	354	356	.2410
75	17.09	34.080								75	17.09	34.080		24.81	315	317	.3251
100	15.06	34.940															

KOREA ,TAE BAEK SAN , STATION 206-05 , 34-081. N, 129-063. E, AUG. 7.1979, 04.30 KST, DEPTH 130 , COLOR , TRANS. . ,

WAVE NE 2, SWELL N 2, WIND NE 3, BARO 1003. , AIR TEMP. DRY 25.3, WET . , CLOUD. TYPE AS, AMT 10, WEATHER C ,

0	27.50	31.920								0	27.50	31.920		20.27	749	749	.0000
10	27.13	32.050								10	27.13	32.050		20.40	728	728	.0739
20	25.41	33.120								20	25.41	33.120		21.82	600	600	.1404
30	22.59	33.530								30	22.59	33.530		22.96	491	492	.1951
50	18.95	34.110								50	18.95	34.110		24.37	356	357	.2801
75	17.90	34.290								75	17.90	34.290		24.77	318	320	.3649
100	17.05	34.410								100	17.05	34.410		25.07	290	293	.4416
121	15.84	34.350															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

10 월 (October)

KOREA ,TAE BAEK SAN , STATION 206-01 , 34-355. N, 128-345. E, OCT.11.1979, 09.25 KST, DEPTH 62 , COLOR 6, TRANS. 7. ,

WAVE 3, SWELL 3, WIND NW 3, BARO 1012. , AIR TEMP. DRY 21.4, WET . , CLOUD. TYPE AS, AMT 2, WEATHER B ,

0	21.07	33.810								0	21.07	33.810		23.59	431	430	.0000
10	21.47	33.850								10	21.47	33.850		23.51	438	438	.0435
20	21.31	34.170								20	21.31	34.170		23.80	411	411	.0860
30	22.62	34.190								30	22.62	34.190		23.45	444	445	.1289
50	20.67	34.300															

KOREA ,TAE BAEK SAN , STATION 206-02 , 34-296. N, 128-412. E, OCT.11.1979, 07.50 KST, DEPTH 70 , COLOR 3, TRANS. 11. ,

WAVE 2, SWELL 2, WIND NW 3, BARO 1010. , AIR TEMP. DRY 21.4, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	21.11	33.770								0	21.11	33.770		23.55	435	434	.0000
10	21.21	33.830								10	21.21	33.830		23.57	433	433	.0434
20	23.11	33.750								20	23.11	33.750		22.98	489	490	.0896
30	23.59	34.040								30	23.59	34.040		23.06	482	482	.1383
50	15.91	33.960															

KOREA ,TAE BAEK SAN , STATION 206-03 , 34-224. N, 128-497. E, OCT.11.1979, 05.30 KST, DEPTH 94 , COLOR , TRANS. . ,

WAVE , SWELL , WIND NE 4, BARO 1011. , AIR TEMP. DRY .0, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	20.72	33.730								0	20.72	33.730		23.62	428	427	.0000
10	20.76	33.710								10	20.76	33.710		23.60	430	430	.0429
20	20.75	33.710								20	20.75	33.710		23.60	430	430	.0860
30	20.41	33.690								30	20.41	33.690		23.68	423	423	.1287
50	18.94	34.160								50	18.94	34.160		24.41	352	353	.2065
75	19.83	34.190															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA , TAE BAEK SAN , STATION 206-04 , 34-153. N, 128-580. E, OCT.11.1979, 04.20 KST, DEPTH 110 , COLOR , TRANS. , ,																	
WAVE , SWELL , WIND W 5, BARO 1010. , AIR TEMP. DRY 18.2, WET , , CLOUD. TYPE , AMT , WEATHER ,																	
0	21.31	33.110								0	21.31	33.110		23.00	488	487	.0000
10	21.29	33.120								10	21.29	33.120		23.01	486	486	.0487
20	21.43	34.060								20	21.43	34.060		23.68	422	422	.0942
30	21.41	34.180								30	21.41	34.180		23.78	413	413	.1361
50	21.38	34.150								50	21.38	34.150		23.76	414	416	.2191
75	18.91	34.150								75	18.91	34.150		24.41	352	354	.3154
100	18.76	34.070															
KOREA , TAE BAEK SAN , STATION 206-05 , 34-081. N, 129-163. E, OCT.11.1979, 03.15 KST, DEPTH 165 , COLOR , TRANS. , ,																	
WAVE , SWELL , WIND W 3, BARO 1010. , AIR TEMP. DRY 13.0, WET , , CLOUD. TYPE , AMT , WEATHER ,																	
0	20.90	33.740								0	20.90	33.740		23.58	431	431	.0000
10	20.62	33.670								10	20.62	33.670		23.61	429	429	.0431
20	19.94	33.860								20	19.94	33.860		23.93	398	399	.0845
30	19.97	33.670								30	19.97	33.670		23.78	413	414	.1252
50	19.80	33.960								50	19.80	33.960		24.04	388	389	.2056
75	16.50	34.200								75	16.50	34.200		25.04	293	295	.2912
100	17.19	34.190								100	17.19	34.190		24.87	309	312	.3671
125	17.40	34.260								125	17.40	34.260		24.87	309	312	.4452
150	17.38																

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA T	D-T	SVA	D-DY

12 월 (December)

KOREA ,TAE BAEK SAN , STATION 206-01 , 34-[illegible]. N, 128-345. E, DEC. 7.1979, 02.10 KST, DEPTH 62 , COLOR , TRANS. . ,

WAVE 2, SWELL 1, WIND NW 2, BARO 1020. , AIR TEMP. DRY 12.3, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	16.08	34.150								0	16.08	34.150		25.10	287	287	.0000
10	16.10	34.180								10	16.10	34.180		25.11	286	286	.0287
20	16.08	34.170								20	16.08	34.170		25.11	286	286	.0573
30	16.10	34.170								30	16.10	34.170		25.11	286	287	.0860
50	15.90	34.110															

KOREA ,TAE BAEK SAN , STATION 206-02 , 34-[illegible]. N, 128-41[illegible]. E, DEC. 7.1979, 01.00 KST, DEPTH 70 , COLOR , TRANS. . ,

WAVE 2, SWELL 1, WIND NW 2, BARO 1020. , AIR TEMP. DRY 13.2, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	17.57	34.390								0	17.57	34.390		24.93	303	303	.0000
10	16.45	34.270								10	16.45	34.270		25.10	287	287	.0295
20	16.40	34.120								20	16.40	34.120		25.00	297	297	.0588
30	16.20	34.150								30	16.20	34.150		25.07	290	29[illegible]	.0882
50	15.99	34.180															

KOREA ,TAE BAEK SAN , STATION 206-03 , 34-[illegible]. N, 128-49[illegible]. E, DEC. 7.1979, 00.00 KST, DEPTH 94 , COLOR , TRANS. . ,

WAVE 2, SWELL 1, WIND SW 3, BARO 1020. , AIR TEMP. DRY 14.1, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	18.78	34.480								0	18.78	34.480		24.70	325	325	.0000
10	18.84	34.490								10	18.84	34.490		24.69	326	326	.0326
20	18.80	34.530								20	18.80	34.530		24.73	322	322	.0650
30	18.80	34.310								30	18.80	34.310		24.56	338	339	.0981
50	17.07	34.240								50	17.07	34.240		24.93	303	304	.1625
75	16.82	34.500															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 206-04 , 34-153. N, 128-580. E, DEC. 6.1979, 22.50 KST, DEPTH 110 , COLOR . , TRANS. . ,

WAVE 2, SWELL 1, WIND W 2, BARO 1020. , AIR TEMP. DRY 14.1, WET . , CLOUD. TYPE , AMT , WEATHER BC,

0	19.55	34.530							0	19.55	34.530	24.54	340	340	.0000
10	19.60	34.520							10	19.60	34.520	24.52	342	342	.0342
20	19.58	34.510							20	19.58	34.510	24.52	342	343	.0685
30	19.51	34.510							30	19.51	34.510	24.54	341	341	.1027
50	19.50	34.500							50	19.50	34.500	24.53	341	342	.1712
75	18.80	34.430							75	18.80	34.430	24.66	329	331	.2555
100	17.47	34.320													

KOREA ,TAE BAEK SAN , STATION 206-05 , 34-081. N, 129-063. E, DEC. 6.1979, 21.40 KST, DEPTH 170 , COLOR TRANS. . ,

WAVE 2, SWELL 1, WIND W 2, BARO 1020. , AIR TEMP. DRY 14.1, WET . , CLOUD. TYPE , AMT , WEATHER BC,

0	19.00	34.520							0	19.00	34.520	24.67	328	327	.0000
10	19.12	34.510							10	19.12	34.510	24.64	331	331	.0330
20	19.12	34.500							20	19.12	34.500	24.63	332	332	.0662
30	19.62	34.510							30	19.62	34.510	24.51	343	344	.1001
50	19.30	34.510							50	19.30	34.510	24.59	336	337	.1682
75	19.63	34.470							75	19.63	34.470	24.47	347	349	.2540
100	19.52	34.500							100	19.52	34.500	24.53	342	345	.3408
125	19.19	34.470							125	19.19	34.470	24.59	336	339	.4264
150	18.80	34.450													

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
2 월 (February)																	
KOREA ,TAE BAEK SAN , STATION 205-01 , 34-223. N, 127-485. E, FEB. 9.1979, 00.25 KST, DEPTH 54 , COLOR , TRANS.. . ,																	
WAVE , SWELL , WIND , BARO 1023. , AIR TEMP. DRY 10.5, WET . , CLOUD. TYPE , AMT , WEATHER ,																	
0	13.70	34.370								0	13.70	34.370		25.78	222	222	.0000
10	13.36	34.360								10	13.36	34.360		25.84	216	216	.0219
20	12.10	34.190								20	12.10	34.190		25.96	205	205	.0431
30	11.80	34.130								30	11.80	34.130		25.97	204	205	.0636
50	10.90	34.190															
KOREA ,TAE BAEK SAN , STATION 205-02 , 34-150. N, 127-521. E, FEB. 8.1979, 23.10 KST, DEPTH 59 , COLOR , TRANS. . ,																	
WAVE , SWELL , WIND , BARO 1021. , AIR TEMP. DRY 10.6, WET . , CLOUD. TYPE , AMT , WEATHER ,																	
0	11.10	34.190								0	11.10	34.190		26.15	187	187	.0000
10	11.50	34.140								10	11.50	34.140		26.03	198	198	.0193
20	11.10	34.070								20	11.10	34.070		26.05	196	196	.0391
30	10.23	33.980								30	10.23	33.980		26.14	188	189	.0584
50	9.95	33.910															
KOREA ,TAE BAEK SAN , STATION 205-03 , 34-055. N, 127-519. E, FEB. 8.1979, 21.50 KST, DEPTH 82 , COLOR , TRANS. . ,																	
WAVE , SWELL , WIND , BARO 1021. , AIR TEMP. DRY 10.6, WET . , CLOUD. TYPE , AMT , WEATHER ,																	
0	14.62	34.400								0	14.62	34.400		25.61	238	238	.0000
10	14.71	34.420								10	14.71	34.420		25.61	239	239	.0239
20	13.82	34.360								20	13.82	34.360		25.75	225	225	.0471
30	13.25	34.230								30	13.25	34.230		25.77	224	224	.0697
50	13.00	34.250								50	13.00	34.250		25.83	217	218	.1140
75	13.05	34.200															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 205-04 , 33-515. N, 128-030. E, FEB. 8.1979, 19.55 KST, DEPTH 91 , COLOR , TRANS. . ,

WAVE. , SWELL 2, WIND NW 2, BARO 1021. , AIR TEMP. DRY 10.6, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	14.95	34.480								0	14.95	34.480		25.60	239	239	.0000
10	14.90	34.490								10	14.90	34.490		25.62	238	238	.0239
20	15.00	34.440								20	15.00	34.440		25.56	243	244	.0480
30	14.95	34.530								30	14.95	34.530		25.64	236	236	.0720
50	15.05	34.460								50	15.05	34.460		25.56	243	244	.1201
75	14.52	34.400															

KOREA ,TAE BAEK SAN , STATION 205-05 , 33-373. N, 128-092. E, FEB. 8.1979, 18.10 KST, DEPTH 124 , COLOR , TRANS. . ,

WAVE 1, SWELL 2, WIND NW 2, BARO 1021. , AIR TEMP. DRY 10.6, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	15.52	34.440								0	15.52	34.440		25.44	254	254	.0000
10	15.63	34.460								10	15.62	34.460		25.42	256	256	.0256
20	15.64	34.460								20	15.64	34.460		25.43	255	256	.0512
30	15.54	34.450								30	15.54	34.450		25.45	254	254	.0767
50	15.52	34.450								50	15.52	34.450		25.45	253	255	.1277
75	15.45	34.470								75	15.45	34.470		25.48	251	252	.1912
100	15.45	34.470															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA T	D T	SVA	D-DY

3 월 (March)

KOREA ,TAE BAEK SAN , STATION 205-01 , 34-223. N, 127-485. E, MAR.17.1979, 11.20 KST, DEPTH 54 , COLOR 5, TRANS. . ,

WAVE NW 4, SWELL NW 2, WIND NW 5, BARO 1015. , AIR TEMP. DRY 11.0, WET . , CLOUD. TYPE AC, AMT 2, WEATHER B ,

0	12.97	34.200								0	12.97	34.200		25.80	221	220	.0000
10	12.04	34.210								10	12.04	34.210		25.99	203	202	.0212
20	13.00	34.190								20	13.00	34.190		25.79	222	222	.0425
30	12.98	34.200								30	12.98	34.200		25.80	221	221	.0647
50	12.60	34.180															

KOREA ,TAE BAEK SAN , STATION 205-02 , 34-150. N, 127-521. E, MAR.17.1979, 09.50 KST, DEPTH 60 , COLOR 5, TRANS. . ,

WAVE NW 3, SWELL NW 2, WIND NW 4, BARO 1015. , AIR TEMP. DRY 10.8, WET . , CLOUD. TYPE AC, AMT 2, WEATHER B ,

0	12.91	34.210								0	12.91	34.210		25.82	219	218	.0000
10	13.05	34.220								10	13.05	34.220		25.80	221	221	.0220
20	13.00	34.270								20	13.00	34.270		25.85	216	216	.0439
30	13.00	34.190								30	13.00	34.190		25.79	222	22.	.0658
50	13.01	34.180															

KOREA ,TAE BAEK SAN , STATION 205-03 , 34-055. N, 127-519. E, MAR.17.1979, 08.20 KST, DEPTH 78 , COLOR 4, TRANS. . ,

WAVE NW 3, SWELL NW 1, WIND NW 3, BARO 1015. , AIR TEMP. DRY 10.6, WET . , CLOUD. TYPE AC, AMT 8, WEATHER C ,

0	14.11	34.240								0	14.11	34.240		25.60	240	239	.0000
10	14.10	******								10	14.10	******		*****	***	***	******
20	14.11	34.250								20	14.11	34.250		25.60	239	239	******
30	14.09	34.250								30	14.09	34.250		25.61	239	239	******
50	13.08	34.240								50	13.08	34.240		25.81	220	221	******
75	10.99	34.240															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 205-04 , 33-515. N, 128-030. E, MAR.19.1979, 19.20 KST, DEPTH 80 , COLOR , TRANS. . ,

WAVE NE 2, SWELL NE 1, WIND NE 2, BARO 1016.5, AIR TEMP. DRY 11.0, WET . , CLOUD. TYPE AS, AMT 10, WEATHER C ,

0	14.69	34.360								0	14.69	34.360		25.57	243	242	.0000
10	14.69	34.370								10	14.69	34.370		25.57	242	242	.0243
20	14.62	34.350								20	14.62	34.350		25.57	242	242	.0485
30	14.52	34.350								30	14.52	34.350		25.59	240	240	.0727
50	14.47	34.350								50	14.47	34.350		25.60	239	240	.1209
75	14.39	34.360															

KOREA ,TAE BAEK SAN , STATION 205-05 , 33-373. N, 128-092. E, MAR.19.1979, 21.00 KST, DEPTH 110 , COLOR , TRANS. . ,

WAVE , SWELL , WIND , BARO . , AIR TEMP. DRY .0, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	14.65	34.410								0	14.65	34.410		25.61	238	238	.0000
10	14.79	34.370								10	14.79	34.370		25.55	244	244	.0241
20	14.78	34.350								20	14.78	34.350		25.54	245	246	.0487
30	14.70	34.370								30	14.70	34.370		25.57	242	243	.0731
50	14.64	34.360								50	14.64	34.360		25.58	242	243	.1218
75	14.72	34.400								75	14.72	34.400		25.59	240	242	.1825
100	14.72	34.400															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

4 월 (April)

KOREA ,TAE BAEK SAN , STATION 205-01 , 34-223. N, 127-485. E, APR.11.1979, 17.00 KST, DEPTH 54 , COLOR 5, TRANS. 16.0,

WAVE 1, SWELL 1, WIND SW 1, BARO 1013. , AIR TEMP. DRY 16.8, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	13.50	34.230								0	13.50	34.230		25.71	228	228	.0000
10	12.84	34.250								10	12.84	34.250		25.86	214	214	.0222
20	12.62	34.240								20	12.62	34.240		25.90	211	211	.0435
30	15.51	34.240								30	15.51	34.240		25.29	269	269	.0676
50	15.50	34.260															

KOREA ,TAE BAEK SAN , STATION 205-02 , 34-150. N, 127-521. E, APR.11.1979, 16.00 KST, DEPTH 60 , COLOR 3, TRANS. 14. ,

WAVE 1, SWELL 1, WIND SW 1, BARO 1013. , AIR TEMP. DRY 16.8, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	13.20	34.230								0	13.20	34.230		25.78	223	222	.0000
10	13.00	34.230								10	13.00	34.230		25.82	219	219	.0221
20	12.90	34.240								20	12.90	34.240		25.84	216	216	.0439
30	12.50	34.240								30	12.50	34.240		25.92	209	209	.0653
50	12.40	34.230															

KOREA ,TAE BAEK SAN , STATION 205-03 , 34-055. N, 127-519. E, APR.11.1979, 14.50 KST, DEPTH 86 , COLOR 3, TRANS. 10. ,

WAVE 1, SWELL 1, WIND SW 1, BARO 1013. , AIR TEMP. DRY 16.8, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	14.10	34.240								0	14.10	34.240		25.60	240	239	.0000
10	14.43	34.200								10	14.43	34.200		25.50	249	249	.0245
20	13.51	34.170								20	13.51	34.170		25.67	233	233	.0486
30	13.00	34.160								30	13.00	34.160		25.76	224	224	.0716
50	12.90	34.150								50	12.90	34.150		25.77	223	224	.1165
75	12.62	34.180															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 205-04 , 33-515. N, 128-030. E, APR.11.1979, 13.10 KST, DEPTH 85 , COLOR 3, TRANS. 14. ,

WAVE , SWELL , WIND , BARO 1015. , AIR TEMP. DRY 17.2, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	16.00	34.340								0	16.00	34.340		25.26	272	271	.0000
10	14.60	34.300								10	14.60	34.300		25.54	245	245	.0259
20	16.20	34.290								20	16.20	34.290		25.18	280	280	.0522
30	14.33	34.270								30	14.33	34.270		25.57	242	242	.0784
50	14.40	34.260								50	14.40	34.260		25.55	244	245	.1272
75	14.40	34.250															

KOREA ,TAE BAEK SAN , STATION 205-05 , 33-373. N, 128-092. E, APR.11.1979, 11.50 KST, DEPTH 116 , COLOR 3, TRANS. 15. ,

WAVE , SWELL , WIND , BARO 1015. , AIR TEMP. DRY 17.0, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	15.40	34.370								0	15.40	34.370		25.42	257	256	.0000
10	15.00	34.560								10	15.00	34.560		25.65	234	234	.0246
20	14.90	34.560								20	14.90	34.560		25.67	232	233	.0480
30	14.91	34.350								30	14.91	34.350		25.51	248	249	.0721
50	14.95	34.340								50	14.95	34.340		25.49	250	251	.1221
75	14.90	34.340								75	14.90	34.340		25.50	249	250	.1849
100	14.95	34.330															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

6 월 (June)

KOREA ,TAE BAEK SAN , STATION 205-01 , 34-123. N, 127-485. E, JUN.11.1979, 15.30 KST, DEPTH 54 , COLOR 5, TRANS.. 5. ,

WAVE 1, SWELL , WIND S 2, BARO 1005. , AIR TEMP. DRY 20.9, WET . , CLOUD. TYPE AS, AMT 5, WEATHER BC,

0	19.49	33.640								0	19.49	33.640		23.88	403	403	.0000
10	18.23	33.750								10	18.23	33.750		24.28	365	365	.0385
20	15.69	33.900								20	15.69	33.900		24.99	297	298	.0716
30	15.57	33.950								30	15.57	33.950		25.06	291	292	.1011
50	15.56	33.960															

KOREA ,TAE BAEK SAN , STATION 205-02 , 34-150. N, 127-521. E, JUN.11.1979, 16.30 KST, DEPTH 60 , COLOR 4, TRANS. 7. ,

WAVE 1, SWELL , WIND S 2, BARO 1004. , AIR TEMP. DRY 20.8, WET . , CLOUD. TYPE AS, AMT 7, WEATHER BC,

0	18.74	33.760								0	18.74	33.760		24.16	376	376	.0000
10	17.88	33.750								10	17.88	33.750		24.37	357	357	.0367
20	16.00	33.820								20	16.00	33.820		24.86	310	310	.0701
30	14.28	33.930								30	14.28	33.930		25.32	266	266	.0990
50	14.30	33.970															

KOREA ,TAE BAEK SAN , STATION 205-03 , 34-055. N, 127-512. E, JUN.11.1979, 17.50 KST, DEPTH 86 , COLOR 4, TRANS. 12. ,

WAVE 1, SWELL , WIND S 2, BARO 1004. , AIR TEMP. DRY 18.9, WET . , CLOUD. TYPE AS, AMT 7, WEATHER BC,

0	18.78	33.660								0	18.78	33.660		24.07	385	384	.0000
10	17.35	33.700								10	17.35	33.700		24.45	348	348	.0367
20	15.75	33.860								20	15.75	33.860		24.95	301	302	.0692
30	14.69	33.930								30	14.69	33.930		25.23	274	275	.0981
50	14.38	33.990								50	14.38	33.990		25.35	263	265	.1521
75	14.48	33.200															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D DY
0	18.95	33.840								0	18.95	33.840		24.17	376	375	.0000
10	17.47	33.340								10	17.47	33.340		24.15	377	377	.0377
20	14.69	33.750								20	14.69	33.750		25.10	287	288	.0710
30	15.25	34.120								30	15.25	34.120		25.27	272	272	.0990
50	14.40	34.200								50	14.40	34.200		25.50	249	250	.1513
75	14.20	34.290															

KOREA ,TAE DARK SAN , STATION 205-04 , 33-315. N, 128-[illegible]. E, JUN.11.1979, 19.30 KST, DEPTH 85 , COLOR , TRANS. . ,

WAVE 1, SWELL , WIND S 2, BARO 1004. , AIR TEMP. DRY 13.4, WET . , CLOUD. TYPE AS, AMT 8, WEATHER C ,

KOREA ,TAE DARK SAN , STATION 205-05 , 33-373. N, 128-092. E, JUN.11.1979, 21.10 KST, DEPTH 116 , COLOR , TRANS. . ,

WAVE 1, SWELL , WIND SE 2, BARO 1004. , AIR TEMP. DRY 19.3, WET . , CLOUD. TYPE , AMT , WEATHER C ,

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D DY
0	20.90	34.000								0	20.90	34.000		23.78	415	412	.0000
10	20.84	34.020								10	20.84	34.020		23.81	410	410	.0411
20	20.70	34.020								20	20.70	34.020		23.85	406	406	.0820
30	18.51	33.910								30	18.51	33.910		24.33	360	361	.1204
50	16.60	34.200								50	16.60	34.200		25.01	295	296	.1862
75	15.30	34.210								75	15.30	34.210		25.32	266	268	.2569
100	14.72	34.210															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

8 월 (August)

KOREA ,TAE BACK SAN , STATION 205-01 , 34-[illegible]. N, 127-[illegible]. E, AUG. 9.1979, 01.00 KST, DEPTH 45 , COLOR , TRANS. . ,

WAVE NE 2, SWELL NE 1, WIND NE 4, BARO 1006. , AIR TEMP. DRY 25.0, WET . , CLOUD. TYPE CI, AMT 6, WEATHER BC,

0	24.50	32.170				0	24.50	32.170	21.38	642	642	.0000
10	24.08	32.170				10	24.08	32.170	21.50	630	630	.0637
20	22.12	32.560				20	22.12	32.560	22.36	549	549	.1227
30	17.22	33.430				30	17.22	33.430	24.28	365	366	.1685
40	14.03	33.740										

KOREA ,TAE BACK SAN , STATION 205-02 , 34-150. N, 127-521. E, AUG. 9.1979, 00.10 KST, DEPTH 60 , COLOR , TRANS. . ,

WAVE NE 2, SWELL NE 1, WIND NE 4, BARO 1003. , AIR TEMP. DRY 24.2, WET . , CLOUD. TYPE CI, AMT 6, WEATHER BC,

0	24.51	32.090				0	24.51	32.090	21.32	648	648	.0000
10	24.52	32.020				10	24.52	32.020	21.26	654	654	.0651
20	22.65	32.450				20	22.65	32.450	22.07	576	577	.1267
30	17.82	33.290				30	17.82	33.290	24.03	389	391	.1751
50	14.73	33.870										

KOREA ,TAE BACK SAN , STATION 205-03 , 34-[illegible]. N, 127-519. E, AUG. 8.1979, 23.00 KST, DEPTH 80 , COLOR , TRANS. . ,

WAVE NE 2, SWELL NE 1, WIND NE [illegible] , AIR TEMP. DRY 24.2, WET . , CLOUD. TYPE CI, AMT 4, WEATHER BC,

0	26.05	31.210				0	26.05	31.210	20.56	721	720	.0000
10	23.53	33.000				10	23.53	33.000	22.29	555	555	.0638
20	20.71	33.630				20	20.71	33.630	23.55	435	435	.1134
30	15.29	34.030				30	15.29	34.030	25.18	279	280	.1492
50	15.03	34.130				50	15.03	34.130	25.31	267	268	.2040
75	14.92	34.100										

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D DY

KOREA ,TAE BAEK SAN , STATION 205-04 , 33-515. N, 128-030. E, AUG. 8.1979, 21.10 KST, DEPTH 90 , COLOR , TRANS. .

WAVE NE 2, SWELL NE 1, WIND NE 3, BARO 1006. , AIR TEMP. DRY 24.8, WET . , CLOUD. TYPE CI, AMT 4, WEATHER BC,

0	26.46	31.860							0	26.46	31.860		20.55	722	722	.0000
10	21.54	32.390							10	21.54	32.390		22.39	546	546	.0634
20	17.29	33.770							20	17.29	33.770		24.52	342	342	.1079
30	15.98	33.800							30	15.98	33.800		24.85	311	311	.1406
50	15.52	34.090							50	15.52	34.090		25.18	280	281	.1999
75	15.50	34.130														

KOREA ,TAE BAEK SAN , STATION 205-05 , 33-373. N, 128-092. E, AUG. 8.1979, 19.30 KST, DEPTH 100 , COLOR , TRANS. . .

WAVE NE 2, SWELL NE 1, WIND NE 3, BARO 1006. , AIR TEMP. DRY 25.4, WET . , CLOUD. TYPE CI, AMT 4, WEATHER BC,

0	26.70	31.690							0	26.70	31.690		20.35	741	741	.0000
10	22.61	32.310							10	22.61	32.310		22.03	580	580	.0661
20	18.24	33.140							20	18.24	33.140		23.81	410	410	.1156
30	15.51	33.530							30	15.51	33.530		24.75	320	321	.1522
50	14.97	33.850							50	14.97	33.850		25.11	286	287	.2131
75	15.34	34.140							75	15.34	34.140		25.25	272	274	.2834
95	15.31	******														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

10 월 (October)

KOREA ,TAE BAEK SAN , STATION 205-01 , 34-223. N, 127-485. E, OCT.12.1979, 11.00 KST, DEPTH 54 , COLOR 5, TRANS. 9. ,

WAVE 3, SWELL 3, WIND NE 4, BARO 1012. , AIR TEMP. DRY 20.5, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	20.50	32.310								0	20.50	32.310		22.61	525	525	.0000
10	20.45	32.310								10	20.45	32.310		22.62	524	524	.0525
20	20.40	32.310								20	20.40	32.310		22.63	522	523	.1048
30	20.43	32.460								30	20.43	32.460		22.74	512	513	.1567
50	15.58	33.940															

KOREA ,TAE BAEK SAN , STATION 205-02 , 34-150. N, 127-521. E, OCT.12.1979, 07.45 KST, DEPTH 60 , COLOR 5, TRANS. 9. ,

WAVE 3, SWELL 3, WIND NE 4, BARO 1012. , AIR TEMP. DRY 19.8, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	20.32	32.840								0	20.32	32.840		23.05	482	482	.0000
10	20.37	32.770								10	20.37	32.770		22.99	488	488	.0485
20	18.50	32.890								20	18.50	32.890		23.56	434	434	.0947
30	17.48	33.430								30	17.48	33.430		24.22	371	372	.1351
50	16.09	33.960															

KOREA ,TAE BAEK SAN , STATION 205-03 , 34-055. N, 127-519. E, OCT.12.1979, 05.40 KST, DEPTH 86 , COLOR , TRANS. . ,

WAVE 3, SWELL 3, WIND NE 4, BARO 1013. , AIR TEMP. DRY 19.5, WET . , CLOUD. TYPE , AMT , WEATHER C

0	20.80	******								0	20.80	******		*****	***	***	.0000
10	20.80	******								10	20.80	******		*****	***	***	******
20	20.86	******								20	20.86	******		*****	***	***	******
30	20.45	******								30	20.45	******		*****	***	***	******
50	16.85	******								50	16.85	******		*****	***	***	******
75	16.64	******															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	Si	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 205-04 , 33-515. N, 128-030. E, OCT.12.1979, 03.50 KST, DEPTH 85 , COLOR . , TRANS. . ,

WAVE 3, SWELL 2, WIND NE 4, BARO 1014. , AIR TEMP. DRY 19.3, WET . , CLOUD. TYPE , AMT , WEATHER C ,

0	23.10	32.980		0	23.10	32.980		22.40	545	544	.0000
10	21.90	33.030		10	21.90	33.030		22.77	509	509	.0527
20	21.97	33.970		20	21.97	33.970		23.47	443	443	.1004
30	21.98	33.990		30	21.98	33.990		23.48	442	442	.1447
50	21.79	33.180		50	21.79	33.180		22.92	495	496	.2387
75	19.94	34.280		75	19.94	34.280		24.25	368	370	.3471
80	17.38	******									

KOREA ,TAE BAEK SAN , STATION 205-05 , 33-373. N, 128-092. E, OCT.12.1979, 02.00 KST, DEPTH 115 , COLOR , TRANS. . ,

WAVE 4, SWELL 2, WIND NE 4, BARO 1014. , AIR TEMP. DRY 19.6, WET . , CLOUD. TYPE , AMT , WEATHER C ,

0	23.10	33.900		0	23.10	33.900		23.09	478	478	.0000
10	23.10	33.910		10	23.10	33.910		23.10	478	478	.0478
20	23.15	33.900		20	23.15	33.900		23.08	480	480	.0958
30	23.10	33.900		30	23.10	33.900		23.09	478	479	.1438
50	23.14	34.490		50	23.14	34.490		23.53	437	438	.2356
75	23.08	33.910		75	23.08	33.910		23.11	477	479	.3504
100	18.12	33.970		100	18.12	33.970		24.40	354	356	.4550
110	18.65	34.390									

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

12 월 (December)

KOREA ,TAE BAEK SAN , STATION 205-01 , 34-223. N, 127-485. E, DEC. 7.1979, 22.20 KST, DEPTH 54 , COLOR , TRANS. . ,

WAVE 4, SWELL 2, WIND NW 5, BARO 1019. , AIR TEMP. DRY 11.2, WET . , CLOUD. TYPE , AMT , WEATHER BC,

0	15.30	34.160								0	15.30	34.160		25.28	270	270	.0000
10	15.25	34.060								10	15.25	34.060		25.21	276	276	.0273
20	15.27	34.130								20	15.27	34.130		25.26	272	272	.0548
30	15.29	34.070								30	15.29	34.070		25.21	276	277	.0823
49	15.30	34.060															

KOREA ,TAE BAEK SAN , STATION 205-02 , 34-150. N, 127-521. E, DEC. 7.1979, 21.10 KST, DEPTH 60 , COLOR , TRANS. . ,

WAVE 4, SWELL 1, WIND NW 5, BARO 1019. , AIR TEMP. DRY 13.5, WET . , CLOUD. TYPE , AMT , WEATHER BC,

0	18.86	34.510								0	18.86	34.510		24.70	325	325	.0000
10	18.92	34.520								10	18.92	34.520		24.69	326	326	.0326
20	18.52	34.470								20	18.52	34.470		24.76	320	320	.0649
30	18.02	34.430								30	18.02	34.430		24.85	311	31	.0965
50	16.46	34.280															

KOREA ,TAE BAEK SAN , STATION 205-03 , 34-055. N, 127-519. E, DEC. 7.1979, 20.00 KST, DEPTH 86 , COLOR , TRANS. . ,

WAVE 4, SWELL 1, WIND NW 5, BARO 1019. , AIR TEMP. DRY 13.8, WET . , CLOUD. TYPE , AMT , WEATHER BC,

0	20.00	34.540								0	20.00	34.540		24.43	351	350	.0000
10	20.05	34.530								10	20.05	34.530		24.41	353	353	.0352
20	19.98	34.530								20	19.98	34.530		24.43	351	351	.0704
30	18.95	34.490								30	18.95	34.490		24.66	328	329	.1045
50	18.43	34.480								50	18.43	34.480		24.79	317	318	.1693
75	18.11	34.440															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 205-04 , 33-515. N, 128-030. E, DEC. 7.1979, 18.20 KST, DEPTH 85 , COLOR , TRANS. . ,

WAVE 4, SWELL 1, WIND NW 5, BARO 1019. , AIR TEMP. DRY 13.3, WET . , CLOUD. TYPE , AMT , WEATHER BC,

0	19.58	34.510							0	19.58	34.510	24.52	342	342	.0000
10	19.00	34.470							10	19.00	34.470	24.64	331	331	.0337
20	17.90	34.400							20	17.90	34.400	24.86	310	310	.0658
30	17.78	34.380							30	17.78	34.380	24.87	309	309	.0969
50	17.70	34.360							50	17.70	34.360	24.87	308	310	.1589
75	17.50	34.340													

KOREA ,TAE BAEK SAN , STATION 205-05 , 33-373. N, 128-092. E, DEC. 7.1979, 16.40 KST, DEPTH 116 , COLOR 3, TRANS. 20. ,

WAVE 4, SWELL 1, WIND NW 4, BARO 1013. , AIR TEMP. DRY 13.1, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	19.60	34.210							0	19.60	34.210	24.28	365	364	.0000
10	19.57	34.500							10	19.57	34.500	24.51	343	343	.0354
20	19.48	34.510							20	19.48	34.510	24.54	340	340	.0696
30	19.48	34.490							30	19.48	34.490	24.53	341	342	.1038
50	19.36	34.510							50	19.36	34.510	24.57	337	338	.1719
75	18.27	34.440							75	18.27	34.440	24.80	316	318	.2541
100	17.30	34.540							100	17.30	34.540	25.11	285	289	.3300
111	16.36	34.580													

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

2 월 (February)

KOREA ,TAE BAEK SAN , STATION 204-01 , 34-208. N, 127-439. E, FEB. 9.1979, 01.15 KST, DEPTH 38 , COLOR , , TRANS. , ,

WAVE , SWELL , WIND , BARO 1023. , AIR TEMP. DRY 10.5, WET , , CLOUD. TYPE , AMT , WEATHER ,

0	12.00	34.140								0	12.00	34.140		25.94	207	207	.0000
10	12.88	34.140								10	12.88	34.140		25.77	223	223	.0215
20	10.91	34.130								20	10.91	34.130		26.13	189	189	.0422
30	8.20	34.120															

KOREA ,TAE BAEK SAN , STATION 204-02 , 34-137. N, 127-354. E, FEB. 9.1979, 02.30 KST, DEPTH 34 , COLOR , TRANS. , ,

WAVE , SWELL , WIND , BARO 1023. , AIR TEMP. DRY 9.8, WET , , CLOUD. TYPE , AMT , WEATHER ,

0	11.10	34.120								0	11.10	34.120		26.09	193	192	.0000
10	11.13	34.100								10	11.13	34.100		26.07	195	195	.0194
20	10.80	34.110								20	10.80	34.110		26.14	188	188	.0386
30	9.20	34.980															

KOREA ,TAE BAEK SAN , STATION 204-03 , 34-067. N, 127-268. E, FEB. 9.1979, 03.30 KST, DEPTH 48 , COLOR , TRANS. , ,

WAVE , SWELL , WIND , BARO 1023. , AIR TEMP. DRY 9.3, WET , , CLOUD. TYPE , AMT , WEATHER ,

0	13.90	34.400								0	13.90	34.400		25.76	224	224	.0000
10	13.95	34.450								10	13.95	34.450		25.79	221	221	.0223
20	13.90	34.430								20	13.90	34.430		25.79	222	222	.0445
30	13.80	34.430								30	13.80	34.430		25.81	220	220	.0666
43	13.40	34.450															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 204-04 , 33-541. N, 127-152. E, FEB. 9.1979, 05.20 KST, DEPTH 78 , COLOR , TRANS.

WAVE , SWELL , WIND , BARO 1023. , AIR TEMP. DRY 9.0, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	14.80	34.460							0	14.80	34.460	25.67	238	237	.0000
10	14.73	34.430							10	14.73	34.430	25.61	238	238	.0238
20	14.80	34.430							20	14.80	34.430	25.60	240	240	.0478
30	14.70	34.440							30	14.70	34.440	25.62	237	238	.0717
50	14.76	34.440							50	14.76	34.440	25.61	238	239	.1195
75	14.60	34.490													

KOREA ,TAE BAEK SAN , STATION 204-05 , 33-455. N, 127-092. E, FEB. 9.1979, 06.20 KST, DEPTH 90 , COLOR , TRANS. . ,

WAVE , SWELL , WIND , BARO 1021. , AIR TEMP. DRY 9.0, WET . , CLOUD. TYPE , AMT , WEATHER .

0	16.01	34.400							0	16.01	34.400	25.30	268	267	.0000
10	16.45	34.400							10	16.45	34.400	25.20	277	277	.0273
20	15.08	34.390							20	15.08	34.390	25.50	249	249	.0536
30	15.82	34.390							30	15.82	34.390	25.34	264	265	.0794
50	15.50	34.400							50	15.50	34.400	25.42	257	258	.1317
75	15.21	34.400													

OBSERVED									INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 204-06 , 33-358. N, 127-032. E, FEB. 9.1979, 07.30 KST, DEPTH 128 , COLOR 3, TRANS. 7. ,

WAVE 1, SWELL 2, WIND NE 3, BARO 1021. , AIR TEMP. DRY 9.5, WET . , CLOUD. TYPE CU, AMT 10, WEATHER C ,

0	16.20	34.380						0	16.20	34.380	25.24	273	273	.0000
10	16.23	34.440						10	16.23	34.440	25.28	270	269	.0272
20	16.12	34.420						20	16.12	34.420	25.29	269	269	.0541
30	16.14	34.400						30	16.14	34.400	25.27	270	271	.0812
50	15.70	34.400						50	15.70	34.400	25.37	261	262	.1346
75	15.42	34.420						75	15.42	34.420	25.45	254	255	.1994
100	15.32	34.450						100	15.32	34.450	25.50	249	252	.2629
125	15.28	34.420												

3 March ,

KOREA ,TAE BAEK SAN , STATION 204-01 , 34-208. N, 127-439. E, MAR.17.1979, 12.00 KST, DEPTH 36 , COLOR 5, TRANS. . ,

WAVE NW 4, SWELL NW 2, WIND NW 5, BARO 1015. , AIR TEMP. DRY 11.0, WET . , CLOUD. TYPE AC, AMT 2, WEATHER B ,

0	12.46	34.370						0	12.46	34.370	26.03	198	198	.0000
10	12.81	34.360						10	12.81	34.360	25.95	206	206	.0202
20	12.79	34.300						20	12.79	34.300	25.91	210	210	.0411
30	12.78	34.380												

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D T	SVA	D DY

KOREA ,TAE BAEK SAN , STATION 204-02 , 34-137. N, 127-354. E, MAR.17.1979, 13.20 KST, DEPTH 28 , COLOR 5, TRANS. . ,

WAVE NW 4, SWELL NW 2, WIND NW 5, BARO 1015.5, AIR TEMP. DRY 11.3, WET . , CLOUD. TYPE CC, AMT 2, WEATHER B ,

0	12.46	34.180								0	12.46	34.180		25.88	212	212	.0000
10	12.52	34.160								10	12.52	34.160		25.86	215	215	.0214
20	12.60	34.150								20	12.60	34.150		25.83	217	217	.0431
25	12.52	34.360															

KOREA ,TAE BAEK SAN , STATION 204-03 , 34-067. N, 127-268. E, MAR.17.1979, 14.40 KST, DEPTH 40 , COLOR 5, TRANS. . ,

WAVE NW 4, SWELL NW 2, WIND NW 5, BARO 1016. , AIR TEMP. DRY 10.9, WET . , CLOUD. TYPE CC, AMT 2, WEATHER B ,

0	11.66	34.300								0	11.66	34.300		26.13	189	189	.0000
10	11.75	34.370								10	11.75	34.370		26.17	186	185	.0188
20	11.75	34.470								20	11.75	34.470		26.24	178	178	.0370
30	11.54	34.420								30	11.54	34.420		26.24	178	179	.0549
40	11.39	34.310															

KOREA ,TAE BAEK SAN , STATION 204-04 , 33-541. N, 127-152. E, MAR.19.1979, 09.40 KST, DEPTH 50 , COLOR 5, TRANS. . ,

WAVE NE 2, SWELL NE 1, WIND NE 2, BARO 1020. , AIR TEMP. DRY 11.2, WET . , CLOUD. TYPE CS, AMT 2, WEATHER B ,

0	13.93	34.350								0	13.93	34.350		25.72	228	228	.0000
10	13.87	34.320								10	13.87	34.320		25.71	229	229	.0229
20	13.85	34.310								20	13.85	34.310		25.70	229	230	.0459
30	13.83	34.360								30	13.83	34.360		25.75	225	226	.0687
50	13.79	34.341								50	13.79	34.340		25.74	226	227	.1141

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 204-05 , 33-45S. N, 127-00Z. E, MAR.19.1979, 10.50 KST, DEPTH 90 , COLOR 4, TRANS.. . ,

WAVE NE 1, SWELL NE 1, WIND NE 2, BARO 1021. , AIR TEMP. DRY 13.2, WET . , CLOUD. TYPE CI, AMT 2, WEATHER B ,

0	14.55	34.350		0	14.55	34.350		25.59	241	240	.0000
10	14.61	34.330		10	14.61	34.330		25.56	243	243	.0242
20	14.57	34.340		20	14.57	34.340		25.58	242	242	.0485
30	14.51	34.270		30	14.51	34.270		25.53	246	246	.0730
50	14.48	34.210		50	14.48	34.210		25.49	249	250	.1228
75	14.45	34.150		75	14.45	34.150		25.45	253	255	.1860
85	14.46	34.180									

KOREA ,TAE BAEK SAN , STATION 204-06 , 33-35S. N, 127-07Z. E, MAR.19.1979, 12.00 KST, DEPTH 125 , COLOR 5, TRANS. . ,

WAVE NE 2, SWELL NE 1, WIND NE 2, BARO 1019. , AIR TEMP. DRY 13.5, WET . , CLOUD. TYPE CI, AMT 2, WEATHER B ,

0	15.10	34.370		0	15.10	34.370		25.48	250	250	.0000
10	14.66	34.350		10	14.66	34.350		25.56	243	243	.0247
20	14.68	34.410		20	14.68	34.410		25.61	239	239	.0488
30	14.71	34.400		30	14.71	34.400		25.59	240	241	.0729
50	14.72	34.330		50	14.72	34.330		25.54	246	247	.1217
75	14.64	34.340		75	14.64	34.340		25.56	243	245	.1831
100	14.60	34.400		100	14.60	34.400		25.62	238	240	.2441
120	14.60	34.350									

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA T	D-T	SVA	D-DY

4 월 (April)

KOREA ,TAE BAEK SAN , STATION 204-01 , 34-208. N, 127-439. E, APR.11.1979, 17.40 KST, DEPTH 38 , COLOR 5, TRANS. 11. ,

WAVE 1, SWELL 1, WIND SW 1, BARO 1013. , AIR TEMP. DRY 16.0, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	13.55	34.280								0	13.55	34.280		25.74	226	225	.0000
10	13.07	34.280								10	13.07	34.280		25.84	217	216	.0221
20	12.60	34.220								20	12.60	34.220		25.89	212	212	.0436
30	13.50	34.250															

KOREA ,TAE BAEK SAN , STATION 204-02 , 34-137. N, 127-354. E, APR.11.1979, 18.50 KST, DEPTH 28 , COLOR , TRANS. . ,

WAVE , SWELL , WIND , BARO 1013. , AIR TEMP. DRY 14.3, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	13.40	34.280								0	13.40	34.230		25.77	223	223	.0000
10	13.00	34.240								10	13.00	34.240		25.82	218	218	.0221
20	12.40	34.240								20	12.40	34.240		25.94	207	207	.0434
23	12.30	34.230															

KOREA ,TAE BAEK SAN , STATION 204-03 , 34-067. N, 127-268. E, APR.11.1979, 20.00 KST, DEPTH 45 , COLOR , TRANS. . ,

WAVE , SWELL , WIND , BARO 1013. , AIR TEMP. DRY 14.0, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	13.20	34.180								0	13.20	34.180		25.74	226	226	.0000
10	12.40	34.140								10	12.40	34.140		25.86	214	214	.0221
20	12.22	34.140								20	12.22	34.140		25.90	211	211	.0434
30	12.00	34.160								30	12.00	34.160		25.96	206	206	.0663

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D DY

KOREA ,TAE BAEK SAN , STATION 204-04 , 33-541. N, 127-152. E, APR.12.1979, 07.20 KST, DEPTH 75 , COLOR 3, TRANS..10. ,
WAVE , SWELL , WIND SW 1, BARO 1017. , AIR TEMP. DRY 14.0, WET . , CLOUD. TYPE CS, AMT 3, WEATHER BC,

0	14.70	34.260		0	14.70	34.260		25.49	250	250	.0000
10	14.40	34.280		10	14.40	34.280		25.57	243	243	.0247
20	14.20	34.240		20	14.20	34.240		25.58	242	242	.0489
30	14.20	34.240		30	14.20	34.240		25.58	242	242	.0732
50	14.20	34.240		50	14.20	34.240		25.58	242	243	.1218
70	14.14	34.230									

KOREA ,TAE BAEK SAN , STATION 204-05 , 33-455. N, 127-092. E, APR.12.1979, 08.30 KST, DEPTH 90 , COLOR 3, TRANS. 13. ,
WAVE . , SWELL , WIND SW 1, BARO 1017. , AIR TEMP. DRY 16.7, WET . , CLOUD. TYPE CI, AMT 3, WEATHER BC,

0	15.16	34.350		0	15.16	34.350		25.46	253	253	.0000
10	14.98	34.350		10	14.98	34.350		25.49	249	249	.0252
20	14.95	34.330		20	14.95	34.330		25.49	250	251	.0502
30	14.95	34.340		30	14.95	34.340		25.49	250	250	.0753
50	15.00	34.340		50	15.00	34.340		25.48	251	252	.1256
75	14.98	34.340									

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D DY

KOREA ,TAE BAEK SAN , STATION 204-06 , 33-358. N, 127-032. E, APR.12.1979, 09.40 KST, DEPTH 128 , COLOR 4, TRANS. 11. ,

WAVE , SWELL , WIND SW 1, BARO 1018. , AIR TEMP. DRY 15.5, WET . , CLOUD. TYPE CI, AMT 3, WEATHER BC,

0	15.23	34.340							0	15.23	34.340	25.45	255	255	.0000
10	15.02	34.350							10	15.02	34.350	25.49	250	250	.0253
20	15.00	34.350							20	15.00	34.350	25.49	250	250	.0504
30	15.05	34.340							30	15.05	34.340	25.47	252	252	.0755
50	15.05	34.360							50	15.05	34.360	25.49	250	251	.1260
75	15.10	34.350							75	15.10	34.350	25.47	252	254	.1892
100	15.00	34.340							100	15.00	34.340	25.48	251	253	.2527
123	14.95	34.340													

6 월 (June)

KOREA ,TAE BAEK SAN , STATION 204-01 , 34-208. N, 127-439. E, JUN. 5.1979, 12.50 KST, DEPTH 38 , COLOR 5, TRANS. 10. ,

WAVE 1, SWELL 3, WIND SW 3, BARO 1013. , AIR TEMP. DRY 29.5, WET . , CLOUD. TYPE AS, AMT 10, WEATHER C ,

0	18.88	33.560							0	18.88	33.560	23.97	394	394	.0000
10	17.64	33.760							10	17.64	33.760	24.43	351	351	.0373
20	16.14	33.830							20	16.14	33.830	24.84	312	312	.0705
30	15.46	33.870													

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 204-02 , 34-137. N, 127-354. E, JUN. 5.1979, 14.10 KST, DEPTH 28 , COLOR 5, TRANS. 11. ,

WAVE 1, SWELL 3, WIND SW 2, BARO 1012.8, AIR TEMP. DRY 23.0, WET . , CLOUD. TYPE AS, AMT 10, WEATHER C ,

0	18.38	33.900								0	18.38	33.900		24.36	358	357	.0000
10	17.61	33.880								10	17.61	33.880		24.53	341	341	.0350
20	16.05	33.870								20	16.05	33.870		24.89	307	307	.0675
23	15.90	33.870															

KOREA ,TAE BAEK SAN , STATION 204-03 , 34-067. N, 127-268. E, JUN. 5.1979, 15.30 KST, DEPTH 45 , COLOR 5, TRANS. 10. ,

WAVE 1, SWELL 3, WIND SE 2, BARO 1011. , AIR TEMP. DRY 19.4, WET . , CLOUD. TYPE AS, AMT 10, WEATHER C ,

0	17.90	33.860								0	17.90	33.860		24.44	349	349	.0000
10	16.67	33.900								10	16.67	33.900		24.77	319	319	.0334
20	15.97	33.940								20	15.97	33.940		24.96	300	301	.0644
30	14.50	33.900								30	14.50	33.900		25.25	273	273	.0952
40	13.97	33.880															

KOREA ,TAE BAEK SAN , STATION 204-04 , 33-541. N, 127-152. E, JUN. 7.1979, 08.10 KST, DEPTH 75 , COLOR 4, TRANS. 12. ,

WAVE 4, SWELL 2, WIND SE 4, BARO 999. , AIR TEMP. DRY 19.3, WET . , CLOUD. TYPE CU, AMT 10, WEATHER C ,

0	17.87	33.450								0	17.87	33.450		24.14	379	378	.0000
10	17.60	33.480								10	17.60	33.480		24.23	370	370	.0375
20	16.05	33.570								20	16.05	33.570		24.66	329	329	.0725
30	14.81	33.600								30	14.81	33.600		24.95	301	301	.1041
50	14.85	34.200								50	14.85	34.200		25.41	258	259	.1602
70	14.60	34.180															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA ,TAE BAEK SAN , STATION 204-05 , 33-455. N, 127-092. E, JUN. 7,1979, 09.25 KST, DEPTH 90 , COLOR 4, TRANS. 13. ,																	
WAVE 4, SWELL 2, WIND SE 4, BARO 1003. , AIR TEMP. DRY 21.0, WET . , CLOUD. TYPE CU, AMT 10, WEATHER C ,																	
0	17.73	33.470								0	17.73	33.470		24.19	374	374	.0000
10	17.70	33.730								10	17.70	33.730		24.39	354	354	.0364
20	16.07	34.020								20	16.07	34.020		25.00	297	297	.0690
30	15.65	34.110								30	15.65	34.110		25.16	281	282	.0980
50	14.70	34.250								50	14.70	34.250		25.48	251	252	.1515
75	14.05	34.070								75	14.05	34.070		25.48	251	253	.2147
85	14.73	34.180															
KOREA ,TAE BAEK SAN , STATION 204-06 , 33-353. N, 127-032. E, JUN. 7,1979, 10.40 KST, DEPTH 128 , COLOR 4, TRANS. 14. ,																	
WAVE 4, SWELL 2, WIND SE 3, BARO 1007.5, AIR TEMP. DRY 21.0, WET . , CLOUD. TYPE CU, AMT 10, WEATHER C ,																	
0	18.30	33.870								0	18.30	33.870		24.35	358	358	.0000
10	18.30	33.750								10	18.30	33.750		24.26	367	367	.0363
20	16.60	34.020								20	16.60	34.020		24.88	308	309	.0701
30	15.75	34.120								30	15.75	34.120		25.15	282	283	.0997
50	15.50	******								50	15.50	******		*****	***	***	******
75	14.60	34.150								75	14.60	34.150		25.42	256	258	******
100	14.82	34.360								100	14.82	34.360		25.54	245	248	******
123	14.17	34.340															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

8 월 (August)

KOREA ,TAE BAEK SAN , STATION 204-01 , 34-208. N, 127-439. E, AUG. 9.1979, 01.40 KST, DEPTH 38 , COLOR , TRANS. . ,

WAVE NE 2, SWELL NE 1, WIND NE 3, BARO 1006. , AIR TEMP. DRY 24.6, WET . , CLOUD. TYPE CI, AMT 6, WEATHER BC,

0	24.45	32.240								0	24.45	32.240		21.45	636	636	.0000
10	21.30	33.420								10	21.30	33.420		23.23	465	465	.0551
20	17.70	33.350								20	17.70	33.350		24.10	382	382	.0975
30	17.02	32.780															

KOREA ,TAE BAEK SAN , STATION 204-02 , 34-137. N, 127-354. E, AUG. 9.1979, 02.50 KST, DEPTH 28 , COLOR , TRANS.

WAVE NE 2, SWELL NE 1, WIND NE 3, BARO 1006. , AIR TEMP. DRY 24.4, WET . , CLOUD. TYPE CI, AMT 6, WEATHER BC,

0	23.94	32.240								0	23.94	32.240		21.60	622	621	.0000
10	22.80	32.570								10	22.80	32.570		22.17	566	566	.0594
20	19.54	32.970								20	19.54	32.970		23.36	453	454	.1105
23	16.29	33.560															

KOREA ,TAE BAEK SAN , STATION 204-03 , 34-067. N, 127-268. E, AUG. 9.1979, 04.00 KST, DEPTH 45 , COLOR , TRANS. . ,

WAVE SE 2, SWELL NE 1, WIND NE 3, BARO 1006. , AIR TEMP. DRY 24.4, WET . , CLOUD. TYPE CI, AMT 6, WEATHER BC,

0	24.67	32.000								0	24.67	32.000		21.20	659	659	.0000
10	22.80	32.630								10	22.80	32.630		22.22	562	562	.0611
20	19.07	33.400								20	19.07	33.400		23.80	411	411	.1098
30	16.66	33.680								30	16.66	33.680		24.60	334	335	.1471
40	15.75	33.690															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA T	D-T	SVA	D-DY

KOREA ,TAE BACK SAN , STATION 204-04 , 33-541. N, 127-152. E, AUG. 9.1979, 07.10 KST, DEPTH 75 , COLOR , TRANS. . ,

WAVE NE 2, SWELL NE 1, WIND E 3, BARO 1007. , AIR TEMP. DRY 25.6, WET . , CLOUD. TYPE CU, AMT 8, WEATHER C ,

0	26.78	31.150								0	26.78	31.150		[illegible]	783	782	.0000
10	24.63	31.660								10	24.63	31.660		20.96	683	683	.0735
20	20.41	32.410								20	20.41	32.410		[illegible]	515	516	.1355
30	15.90	33.480								30	15.90	33.480		24.62	332	333	.1758
50	14.75	33.900								50	14.75	33.900		25.20	278	279	.2370
75	14.83	34.160															

KOREA ,TAE BACK SAN , STATION 204-05 , 33-435. N, 127-[illegible]. E, AUG. 9.1979, 08.30 KST, DEPTH 90 , COLOR , TRANS. . ,

WAVE NE 2, SWELL NE 1, WIND E 3, BARO 1007. , AIR TEMP. DRY 26.6, WET . , CLOUD. TYPE CU, AMT 6, WEATHER BC,

0	26.55	31.420								0	26.55	31.420		20.19	756	756	.0000
10	22.03	31.920								10	22.03	31.920		21.90	593	593	.0675
20	18.80	33.250								20	18.80	33.250		23.76	415	415	.1179
30	18.76	33.900								30	18.76	33.900		24.26	367	367	.1571
50	17.32	34.140								50	17.82	34.140		24.68	327	328	.2248
75	16.68	34.120								75	16.[illegible]	34.130		24.93	303	305	.3040
85	15.17	34.120															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA T	D-T	SVA	D DY

KOREA ,TAE BAEK SAN , STATION 204-04 , 34-55. N, 127-42. E, AUG. 9.1979, 09.40 KST, DEPTH 120 , COLOR 3, TRANS. 13. ,

WAVE NE 2, SWELL NE 1, WIND E 3, BARO 1007. , AIR TEMP. DRY 26.7, WET . , CLOUD. TYPE CI, AMT 4, WEATHER BC,

0	26.40	31.85	0	0	26.40	31.85	20.56	721	721	.0000
10	24.18	32.070		10	24.18	32.070	21.40	641	641	.0681
20	20.52	32.900		20	20.52	32.900	23.05	483	483	.1243
30	17.14	33.820		30	17.14	33.820	24.60	335	335	.1653
50	16.26	33.960		50	16.26	33.960	24.91	305	306	.2296
75	15.38	34.020		75	15.38	34.020	25.15	282	284	.3035
100	14.90	34.010		100	14.90	34.010	25.25	273	275	.3734
115	15.11	34.060								

10 월 (October)

KOREA ,TAE BAEK SAN , STATION 204-01 , 34-20. N, 127-47. E, OCT.12.1979, 13.50 KST, DEPTH [illegible], COLOR 5, TRANS. 9. ,

WAVE 3, SWELL 2, WIND NE 5, BARO 1017. , AIR TEMP. DRY 21.2, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	20.60	33.270	0	20.60	33.270	23.31	458	458	.0000
10	20.53	33.260	10	20.53	33.260	23.32	457	457	.0458
20	20.59	33.250	20	20.59	33.250	23.29	459	459	.0916
30	20.56	33.310							

KOREA ,TAE BAEK SAN , STATION 204-02 , 34-13. N, 127-35. E, OCT.12.1979, 15.00 KST, DEPTH 28 , COLOR 5, TRANS. 10. ,

WAVE 4, SWELL 2, WIND NE 5, BARO 1017. , AIR TEMP. DRY 22.6, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	20.74	33.270	0	20.74	33.270	23.27	461	461	.0000
10	20.70	32.240	10	20.70	32.240	22.50	535	535	.0499
20	20.70	33.340	20	20.70	33.340	23.33	455	456	.0994
23	20.35	******							

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D T	SVA	D DY

KOREA ,TAE BAEK SAN , STATION 204-03 , 34-067. N, 127-268. E, OCT.12.1979, 16.25 KST, DEPTH 38 , COLOR 5, TRANS. 10. ,

WAVE 2, SWELL 2, WIND NE 4, BARO 1017. , AIR TEMP. DRY 23.0, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	20.82	33.430								0	20.82	33.430		23.37	452	452	.0000
10	20.80	33.430								10	20.80	33.430		23.38	451	451	.0452
20	20.80	33.460								20	20.80	33.460		23.40	449	450	.0903
30	20.72	33.460								30	20.72	33.460		23.42	447	448	.1352
33	20.21	33.490															

KOREA ,TAE BAEK SAN , STATION 204-04 , 33-541. N, 127-152. E, OCT.14.1979, 10.00 KST, DEPTH 75 , COLOR 4, TRANS. 11. ,

WAVE 3, SWELL 3, WIND NE 3, BARO 1018. , AIR TEMP. DRY 21.2, WET . , CLOUD. TYPE CS, AMT , WEATHER B ,

0	19.50	33.450								0	19.50	33.450		23.73	417	417	.0000
10	19.40	33.430								10	19.40	33.430		23.74	416	416	.0417
20	19.11	33.780								20	19.11	33.780		24.08	384	384	.0816
30	17.01	34.080								30	17.01	34.080		24.83	315	314	.1167
50	15.38	34.190								50	15.38	34.190		25.28	270	271	.1755
75	15.34	34.180															

KOREA ,TAE BAEK SAN , STATION 204-05 , 33-455. N, 127-09?. E, OCT.14.1979, 12.00 KST, DEPTH 90 , COLOR 4, TRANS. 10. ,

WAVE 3, SWELL 3, WIND NE 3, BARO 1018. , AIR TEMP. DRY 21.8, WET . , CLOUD. TYPE CS, AMT , WEATHER B ,

0	21.04	32.950								0	21.04	32.950		22.95	492	492	.0000
10	21.00	32.980								10	21.00	32.980		22.98	489	489	.0491
20	20.89	32.970								20	20.89	32.970		23.00	487	487	.0980
30	21.14	33.870								30	21.14	33.870		23.62	428	427	.1438
50	20.48	33.930								50	20.48	33.930		23.84	407	408	.2276
75	20.07	33.000								75	20.07	33.000		23.24	464	466	.3371

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 204-06 , 33-358. N, 127-032. E, OCT.14.1979, 14.00 KST, DEPTH 128 , COLOR 4, TRANS. 12. ,
WAVE 4, SWELL 2, WIND NE 5, BARO 1018. , AIR TEMP. DRY 24.2, WET . , CLOUD. TYPE AS, AMT 4, WEATHER BC,

0	23.84	34.290							0	23.84	34.290	23.17	471	470	.0000
10	21.93	33.790							10	21.93	33.790	23.34	455	455	.0463
20	21.71	33.770							20	21.71	33.770	23.39	450	451	.0916
30	21.58	33.640							30	21.58	33.640	23.32	456	457	.1371
50	20.33	33.680							50	20.33	33.680	23.69	421	423	.2251
75	18.92	34.030							75	18.92	34.030	24.32	361	363	.3235
100	18.41	34.150							100	18.41	34.150	24.54	340	343	.4119
125	16.91	34.200													

12 월 (December)

KOREA ,TAE BAEK SAN , STATION 204-01 , 34-208. N, 127-439. E, DEC. 7.1979, 23.10 KST, DEPTH 38 , COLOR , TRANS. . ,
WAVE 5, SWELL 2, WIND NW 6, BARO 1019. , AIR TEMP. DRY 10.5, WET . , CLOUD. TYPE , AMT , WEATHER BC,

0	13.01	33.460							0	13.01	33.460	25.22	276	275	.0000
10	13.01	33.440							10	13.01	33.440	25.20	277	277	.0277
20	13.02	33.470							20	13.02	33.470	25.22	275	275	.0553
30	13.03	33.390													

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D T	SVA	D DY

KOREA ,TAE BAEK SAN , STATION 204-02 , 34-137. N, 127-354. E, DEC. 8.1979, 00.20 KST, DEPTH 28 , COLOR , TRANS. . ,

WAVE 4, SWELL 2, WIND NW 5, BARO 1019. , AIR TEMP. DRY 11.2, WET . , CLOUD. TYPE , AMT , WEATHER BC,

0	12.68	******								0	12.68	******		*****	***	***	.0000
10	12.71	33.380								10	12.71	33.380		25.22	276	276	******
20	12.72	33.380								20	12.72	33.380		25.21	276	276	******
23	12.71	33.370															

KOREA ,TAE BAEK SAN , STATION 204-03 , 34-067. N, 127-268. E, DEC. 8.1979, 01.30 KST, DEPTH 40 , COLOR , TRANS. . ,

WAVE 4, SWELL 2, WIND NW 5, BARO 1020. , AIR TEMP. DRY 9.5, WET . , CLOUD. TYPE , AMT , WEATHER BC,

0	14.00	33.630								0	14.00	33.680		25.19	279	278	.0000
10	14.00	33.670								10	14.00	33.670		25.18	279	279	.0279
20	13.91	33.660								20	13.91	33.660		25.19	278	279	.0559
30	13.80	33.660								30	13.80	33.660		25.21	276	277	.0837
40	13.70	33.660															

KOREA ,TAE BAEK SAN , STATION 204-04 , 33-541. N, 127-152. E, DEC. 8.1979, 03.10 KST, DEPTH 75 , COLOR , TRANS. . ,

WAVE 4, SWELL 2, WIND NW 5, BARO 1020. , AIR TEMP. DRY 9.5, WET . , CLOUD. TYPE , AMT , WEATHER BC,

0	17.70	34.490								0	17.70	34.490		24.97	299	299	.0000
10	17.70	34.500								10	17.70	34.500		24.98	298	298	.0299
20	17.76	34.550								20	17.76	34.550		25.01	296	296	.0597
30	17.76	34.440								30	17.76	34.440		24.92	304	305	.0898
50	17.73	34.440															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D DY

KOREA ,TAE BAEK SAN , STATION 204-05 , 33-455. N, 127-032. E, DEC. 8.1979, 04.20 KST, DEPTH 90 , COLOR , TRANS. . ,

WAVE 4, SWELL 2, WIND NW 5, BARO 1020. , AIR TEMP. DRY 11.4, WET . , CLOUD. TYPE , AMT , WEATHER BC,

0	19.75	34.540							0	19.75	34.540	24.50	344	344	.0000
10	19.69	34.530							10	19.69	34.530	24.50	344	344	.0344
20	19.69	34.520							20	19.69	34.520	24.50	344	345	.0689
30	19.70	34.520							30	19.70	34.520	24.49	345	345	.1035
50	19.78	34.520							50	19.78	34.520	24.47	347	348	.1729
75	19.52	34.510							75	19.52	34.510	24.53	341	343	.2594
85	18.24	34.560													

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 204-06 , 33-353. N, 127-032. E, DEC. 8.1979, 05.30 KST, DEPTH 123 , COLOR , TRANS. . ,

WAVE 5, SWELL 2, WIND NW 5, BARO 1020. , AIR TEMP. DRY 11.5, WET . , CLOUD. TYPE , AMT , WEATHER BC,

0	18.48	34.480							0	18.48	34.480	24.77	318	318	.0000
10	18.52	******							10	18.52	******	*****	***	***	******
20	18.65	34.470							20	18.65	34.470	24.72	323	323	******
30	18.53	******							30	18.53	******	*****	***	***	******
50	17.21	34.400							50	17.21	34.400	25.02	294	295	******
75	16.99	34.370							75	16.99	34.370	25.05	291	293	******
100	15.86	34.470							100	15.86	34.470	25.39	259	262	******
123	15.12	34.550													

203선 해 양 관 측 성 적
OCEANOGRAPHIC DATA. LINE 203

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

2 월 (February)

KOREA ,TAE BAEK SAN , STATION 203-01 , 33-566. N, 124-114. E, FEB.16.1979, 11.00 KST, DEPTH 57 , COLOR 4, TRANS. 5. ,

WAVE 2, SWELL 3, WIND SW 4, BARO 1012. , AIR TEMP. DRY 9.0, WET . , CLOUD. TYPE CI, AMT 5, WEATHER BC,

0	13.45	34.290		0	13.45	34.290		25.77	223	223	.0000
10	13.41	34.300		10	13.41	34.300		25.79	222	222	.0223
20	13.26	34.290		20	13.26	34.290		25.81	219	220	.0444
30	13.40	34.250		30	13.40	34.250		25.75	225	226	.0667
50	13.40	34.270									

KOREA ,TAE BAEK SAN , STATION 203-02 , 33-475. N, 126-263. E, FEB.16.1979, 12.20 KST, DEPTH 95 , COLOR 4, TRANS. 8. ,

WAVE 2, SWELL 3, WIND SW 4, BARO 1012. , AIR TEMP. DRY 9.4, WET . , CLOUD. TYPE CI, AMT 5, WEATHER BC,

0	14.50	34.450		0	14.50	34.450		25.68	232	232	.0000
10	14.50	34.480		10	14.50	34.480		25.70	230	230	.0231
20	14.45	34.470		20	14.45	34.470		25.70	230	230	.0462
30	14.43	34.440		30	14.43	34.440		25.68	232	232	.0694
50	14.41	34.420		50	14.41	34.420		25.67	233	234	.1160
75	14.30	34.410		75	14.30	34.410		25.69	231	233	.1745
90	14.46	34.450									

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 203-03 , 33-383. N, 126-213. E, FEB.16.1979, 13.30 KST, DEPTH 135 , COLOR 4, TRANS. 6. ,

WAVE 2, SWELL 3, WIND SW 4, BARO 1012. , AIR TEMP. DRY 9.8, WET . , CLOUD. TYPE CI, AMT 5, WEATHER BC,

0	14.48	34.460						0	14.48	34.460	25.69	231	231	.0000
10	14.42	34.450						10	14.42	34.450	25.69	231	231	.0231
20	14.65	******						20	14.65	******	*****	***	***	******
30	14.65	34.450						30	14.65	34.450	25.64	235	236	******
50	14.61	34.470						50	14.61	34.470	25.67	233	234	******
75	14.62	34.480						75	14.62	34.480	25.67	232	234	******
100	14.79	34.470						100	14.79	34.470	25.63	237	239	******
125	14.69	34.460												

4 월 (April)

KOREA ,TAE BAEK SAN , STATION 203_01 , 33-566. N, 126-314. E, APR.14.1979, 10.00 KST, DEPTH 57 , COLOR 4, TRANS. 7. ,

WAVE 1, SWELL 1, WIND SW 1, BARO 1021. , AIR TEMP. DRY 11.5, WET . , CLOUD. TYPE ST, AMT 10, WEATHER C ,

0	12.80	34.220						0	12.80	34.220	25.85	216	216	.0000
10	12.77	34.220						10	12.77	34.220	25.85	215	215	.0216
20	12.82	34.200						20	12.82	34.200	25.83	218	218	.0433
30	12.74	34.180						30	12.74	34.180	25.83	218	218	.0651
50	12.80	34.180												

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 203-02 , 33-47S. N, 126-263. E, APR.14.1979, 11.10 KST, DEPTH 95 , COLOR 4, TRANS. 8. ,

WAVE 1, SWELL 1, WIND SW 1, BARO 1021. , AIR TEMP. DRY 12.0, WET . , CLOUD. TYPE ST, AMT 10, WEATHER C ,

0	12.82	34.220								0	12.82	34.220		25.84	216	216	.0000
10	12.84	34.190								10	12.84	34.190		25.82	219	219	.0218
20	12.84	34.210								20	12.84	34.210		25.83	217	218	.0436
30	12.78	34.210								30	12.78	34.210		25.84	216	217	.0654
50	12.70	34.200								50	12.70	34.200		25.85	215	216	.1088
75	12.87	34.190								75	12.87	34.190		25.81	219	221	.1636
90	12.78	34.200															

KOREA ,TAE BAEK SAN , STATION 203-03 , 33-38S. N, 126-213. E, APR.14.1979, 12.20 KST, DEPTH 135 , COLOR , TRANS. . ,

WAVE 2, SWELL 2, WIND SW 1, BARO 1021. , AIR TEMP. DRY 12.0, WET . , CLOUD. TYPE ST, AMT 10, WEATHER C ,

0	12.71	34.020								0	12.71	34.020		25.71	229	229	.0000
10	12.74	34.090								10	12.74	34.090		25.76	224	224	.0227
20	12.76	34.110								20	12.76	34.110		25.77	223	223	.0451
30	12.75	34.100								30	12.75	34.100		25.77	224	224	.0675
50	13.08	34.160								50	13.08	34.160		25.75	226	226	.1127
75	13.00	34.180								75	13.00	34.180		25.78	223	224	.1692
100	13.00	34.190								100	13.00	34.190		25.79	222	224	.2253
125	12.90	34.190															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO3-N	NO2-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

6 월 (June)

KOREA ,TAE BAEK SAN , STATION 203-01 , 33-566. N, 126-314. E, JUN. 9.1979, 08.20 KST, DEPTH 55 , COLOR 4, TRANS. 12. ,

WAVE 2, SWELL 1, WIND SW 2, BARO 1003. , AIR TEMP. DRY 21.0, WET . , CLOUD. TYPE CI, AMT 3, WEATHER BC,

0	18.08	33.050		0	18.08	33.050	23.78	413	412	.0000
10	17.19	33.110		10	17.19	33.110	24.04	388	388	.0401
20	15.31	33.450		20	15.31	33.450	24.73	322	322	.0756
30	13.80	33.930		30	13.80	33.930	25.42	256	257	.1046
50	13.79	33.940								

KOREA ,TAE BAEK SAN , STATION 203-02 , 33-475. N, 126-263. E, JUN. 9.1979, 07.10 KST, DEPTH 95 , COLOR 4, TRANS. 14. ,

WAVE 2, SWELL 1, WIND SW 2, BARO 1002. , AIR TEMP. DRY 20.9, WET . , CLOUD. TYPE CI, AMT 3, WEATHER BC,

0	18.50	33.080		0	18.50	33.080	23.70	420	420	.0000
10	18.13	33.270		10	18.13	33.270	23.94	398	398	.0409
20	16.20	33.450		20	16.20	33.450	24.53	341	341	.0779
30	14.39	33.820		30	14.39	33.820	25.21	276	277	.1089
50	14.11	33.820		50	14.11	33.820	25.27	271	272	.1638
75	13.91	33.980		75	13.91	33.980	25.44	255	256	.2299
90	13.98	33.960								

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D DY

KOREA ,TAE BAEK SAN , STATION 203-03 , 33-383. N, 126-213. E, JUN. 9.1979, 06.00 KST, DEPTH 138 , COLOR , TRANS. . ,

WAVE 2, SWELL , WIND SW 2, BARO 1001. , AIR TEMP. DRY 20.8, WET . , CLOUD. TYPE , AMT , WEATHER BC,

0	18.70	33.29$_0$						0	18.70	33.29$_0$	23.81	410	409	.0000
10	18.84	33.260						10	18.84	33.260	23.75	415	415	.0413
20	18.65	33.290						20	18.65	33.290	23.82	408	409	.0825
3$_0$	15.62	33.550						3$_0$	15.62	33.550	24.74	321	322	.1191
50	14.52	33.720						50	14.52	33.720	25.11	286	287	.1801
75	13.91	33.920						75	13.91	33.920	25.39	259	261	.2487
100	14.25	34.040						100	14.25	34.040	25.41	257	260	.3139
125	14.16	34.090												

8 월 (August)

KOREA ,TAE BAEK SAN , STATION 203-01 , 33-566. N, 126-314. E, AUG.11.1979, 06.40 KST, DEPTH 60 , COLOR , TRANS. . ,

WAVE SE 1, SWELL , WIND SE 2, BARO 1006. , AIR TEMP. DRY 26.2, WET , CLOUD. TYPE CC, AMT 2, WEATHER B ,

0	27.90	30.690						0	27.90	30.690	19.22	850	850	.0000
10	25.61	30.720						10	25.61	30.720	19.96	779	779	.0815
20	17.04	32.020						20	17.04	32.020	23.24	464	464	.1437
30	14.59	33.000						30	14.59	33.000	24.54	340	341	.1840
50	14.51	33.240												

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 203-02 , 33-475. N, 126-263. E, AUG.11.1979, 05.30 KST, DEPTH 95 , COLOR , TRANS. . ,

WAVE SE 1, SWELL , WIND SE 2, BARO 1006. , AIR TEMP. DRY 26.0, WET . , CLOUD. TYPE CC, AMT 2, WEATHER B ,

0	27.26	30.810								0	27.26	30.810		19.51	822	821	.0000
10	21.52	32.060								10	21.52	32.060		22.14	569	569	.0696
20	19.74	32.480								20	19.74	32.480		22.93	494	494	.1228
30	16.01	33.260								30	16.01	33.260		24.43	351	351	.1651
50	14.70	33.480								50	14.70	33.480		24.89	307	308	.2312
75	14.66	33.780								75	14.66	33.780		25.13	285	286	.3056
90	14.68	33.860															

KOREA ,TAE BAEK SAN , STATION 203-03 , 33-383. N, 126-213. E, AUG.11.1979, 04.20 KST, DEPTH 130 , COLOR , TRANS. . ,

WAVE SE 1, SWELL , WIND SE 2, BARO 1007. , AIR TEMP. DRY 26.0, WET . , CLOUD. TYPE CC, AMT 2, WEATHER B ,

	27.80	30.740								0	27.80	30.740		19.29	843	843	.0000
10	19.60	31.720								10	19.60	31.720		22.39	545	545	.0695
20	14.87	32.500								20	14.87	32.500		24.10	383	383	.1159
30	14.97	33.130								30	14.97	33.130		24.56	338	339	.1521
50	14.34	33.750								50	14.34	33.750		25.17	280	281	.2142
75	14.47	33.710								75	14.47	33.710		25.11	286	287	.2854
100	14.39	33.930								100	14.39	33.930		25.30	268	270	.3553
125	14.30	33.900															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

10 월 (October)

KOREA ,TAE BAEK SAN , STATION 203-01 , 33-566. N, 126-314. E, OCT.20.1979, 13.20 KST, DEPTH 55 , COLOR 3, TRANS. 12. ,

WAVE 4, SWELL 2, WIND NW 5, BARO 1012. , AIR TEMP. DRY 22.2, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	21.26	33.220		0	21.26	33.220		23.09	478	478	.0000
10	21.20	33.230		10	21.20	33.230		23.12	476	476	.0476
20	21.21	33.270		20	21.21	33.270		23.14	473	474	.0953
30	21.14	33.290		30	21.14	33.290		23.18	470	471	.1428
50	21.38	33.450									

KOREA ,TAE BAEK SAN , STATION 203-02 , 33-475. N, 126-263. E, OCT.20.1979, 14.40 KST, DEPTH 90 , COLOR 3, TRANS. 14. ,

WAVE 4, SWELL 2, WIND NW 6, BARO 1012. , AIR TEMP. DRY 22.5, WET . , CLOUD. TYPE CS, AMT , WEATHER B ,

0	21.48	33.370		0	21.48	33.370		23.15	473	473	.0000
10	21.41	******		10	21.41	******		*****	***	***	******
20	21.50	******		20	21.50	******		*****	***	***	******
30	21.79	33.430		30	21.75	33.410		23.10	477	476	******
50	21.62	34.150		50	21.62	34.150		23.70	420	422	******
75	19.49	33.950		75	19.45	33.950		24.12	380	382	******
85	16.10	33.690									

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,TAE BAEK SAN , STATION 203-03 , 33-383. N, 126-213. E, OCT.20.1979, 16.20 KST, DEPTH 135 , COLOR 3, TRANS. 14. ,																	
WAVE 4, SWELL 2, WIND NW 6, BARO 1012. , AIR TEMP. DRY 22.3, WET . , CLOUD. TYPE CS, AMT , WEATHER B ,																	
0	21.69	33.530								0	21.69	33.530		23.21	467	467	.0000
10	21.70	33.510								10	21.70	33.510		23.19	469	469	.0468
20	21.60	33.630								20	21.60	33.630		23.31	458	458	.0932
30	22.02	33.890								30	22.02	33.890		23.39	450	451	.1387
50	22.76	34.150								50	22.76	34.150		23.38	451	452	.2299
75	22.39	34.060								75	22.39	34.060		23.42	447	450	.3419
100	18.19	33.900								100	18.19	33.900		24.40	353	356	.4428
125	22.27	34.130															

12 월 (December)

KOREA ,TAE BAEK SAN , STATION 203-01 , 33-566. N, 126-314. E, DEC.11.1979, 14.10 KST, DEPTH 57 , COLOR 4, TRANS. 10. ,																	
WAVE 4, SWELL 2, WIND NW 6, BARO 1025. , AIR TEMP. DRY 9.5, WET . , CLOUD. TYPE CI, AMT 2, WEATHER B ,																	
0	17.50	34.470								0	17.50	34.470		25.01	296	295	.0000
10	17.74	34.490								10	17.74	34.490		24.96	300	300	.0298
20	17.76	34.480								20	17.76	34.480		24.95	301	301	.0599
30	17.74	34.460								30	17.74	34.460		24.94	302	303	.0902
50	17.70	34.470															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 203-02 , 33-475. N, 126-263. E, DEC.11.1979, 15.20 KST, DEPTH 95 , COLOR 4, TRANS. 11, ,

WAVE 4, SWELL 2, WIND NW 5, BARO 1026. , AIR TEMP. DRY 9.2, WET . , CLOUD. TYPE CI, AMT 2, WEATHER B ,

0	18.00	34.510								0	18.00	34.510		24.92	304	304	.0000
10	18.00	34.470								10	18.00	34.470		24.89	307	307	.0306
20	18.03	34.470								20	18.03	34.470		24.88	308	308	.0615
30	18.04	34.490								30	18.04	34.490		24.89	307	307	.0923
50	18.06	34.470								50	18.06	34.470		24.87	309	310	.1541
75	18.05	34.510								75	18.05	34.510		24.90	306	308	.2315
90	17.98	34.460															

KOREA ,TAE BAEK SAN , STATION 203-03 , 33-383. N, 126-213. E, DEC.11.1979, 16.30 KST, DEPTH 135 , COLOR 4 TRANS. 10. ,

WAVE 4, SWELL 2, WIND NW 4, BARO 1027. , AIR TEMP. DRY 9.8, WET . , CLOUD. TYPE CI, AMT 2, WEATHER B ,

0	17.50	34.500								0	17.50	34.500		25.03	294	293	.0000
10	17.82	34.460								10	17.82	34.460		24.92	304	304	.0299
20	17.97	34.470								20	17.97	34.470		24.89	307	307	.0605
30	17.98	34.470								30	17.98	34.470		24.89	307	308	.0913
50	17.91	34.450								50	17.91	34.450		24.89	307	308	.1529
75	17.92	34.460								75	17.92	34.460		24.90	306	308	.2301
100	17.92	34.460								100	17.92	34.460		24.90	306	309	.3073
125	17.93	34.460															

313선 해 양 관 측 성 적
OCEANOGRAPHIC DATA. LINE 313

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T.	SVA	D-DY

2월 (February)

KOREA ,TAE BAEK SAN , STATION 313-02 , 33-244. N, 126-000. E, FEB.19.1979, 11.10 KST, DEPTH 90 , COLOR 3, TRANS. 15. ,

WAVE 1, SWELL 2, WIND SW 1, BARO 1016. , AIR TEMP. DRY 10.3, WET . , CLOUD. TYPE CU, AMT 10, WEATHER C ,

0	14.81	34.450	0	14.81	34.450	25.61	239	238	.0000
10	14.77	34.440	10	14.77	34.440	25.61	239	238	.0239
20	14.72	34.440	20	14.72	34.440	25.62	237	238	.0477
30	14.80	34.430	30	14.80	34.430	25.60	240	240	.0717
50	14.75	34.410	50	14.75	34.410	25.59	240	241	.1200
75	14.87	34.450							

KOREA ,TAE BAEK SAN , STATION 313-03 , 33-244. N, 125-480. E, FEB.19.1979, 12.20 KST, DEPTH 92 , COLOR 4, TRANS. 10. ,

WAVE 1, SWELL 2, WIND SW 1, BARO 1016. , AIR TEMP. DRY 10.3, WET , CLOUD. TYPE CU, AMT 10, WEATHER C ,

0	14.90	34.430	0	14.90	34.430	25.57	242	242	.0000
10	14.76	34.450	10	14.76	34.450	25.62	238	238	.0240
20	14.80	34.450	20	14.80	34.450	25.61	238	239	.0479
30	14.75	34.450	30	14.75	34.450	25.62	237	238	.0717
50	14.82	34.450	50	14.82	34.450	25.61	239	240	.1196
75	14.80	34.460	75	14.80	34.460	25.62	238	239	.1797
87	14.80	34.440							

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,TAE BAEK SAN , STATION 313-04 , 33-244. N, 125-360. E, FEB.19.1979, 13.30 KST, DEPTH 88 , COLOR 3, TRANS. 13. ,																	
WAVE 1, SWELL 2, WIND SW 1, BARO 1016. , AIR TEMP. DRY 12.1, WET . , CLOUD. TYPE CU, AMT 10, WEATHER C ,																	
0	14.80	34.420								0	14.80	34.420		25.59	241	240	.0000
10	14.92	34.430								10	14.92	34.430		25.57	242	242	.0242
20	14.90	34.430								20	14.90	34.430		25.57	242	242	.0485
30	14.90	34.490								30	14.90	34.490		25.62	237	238	.0725
50	14.83	34.450								50	14.83	34.450		25.59	240	241	.1205
75	14.94	34.450								75	14.94	34.450		25.58	241	243	.1812
83	14.90	34.490															
KOREA ,TAE BAEK SAN , STATION 313-05 , 33-244. N, 125-240. E, FEB.19.1979, 14.40 KST, DEPTH 84 , COLOR 3, TRANS. 12. ,																	
WAVE 1, SWELL 2, WIND SW 1, BARO 1015. , AIR TEMP. DRY 12.5, WET . , CLOUD. TYPE CU, AMT 10, WEATHER C ,																	
0	14.80	34.450								0	14.80	34.450		25.61	238	238	.0000
10	14.80	34.460								10	14.80	34.460		25.62	238	238	.0238
20	14.75	34.450								20	14.75	34.450		25.62	237	238	.0476
30	14.80	34.490								30	14.80	34.490		25.64	235	236	.0714
50	14.73	34.460								50	14.73	34.460		25.63	236	237	.1188
75	14.75	34.440								75	14.75	34.440		25.61	238	240	.1786
79	14.80	34.450															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 313-06 , 33-?44. N, 125-12?. E, FEB.19.1979, 15.50 KST, DEPTH 83 , COLOR 3, TRANS. 11. ,

WAVE 1, SWELL 2, WIND SW 1, BARO 1015. , AIR TEMP. DRY 12.5, WET . , CLOUD. TYPE CU, AMT 10, WEATHER C ,

0	14.70	34.470							0	14.70	34.470	25.65	235	235	.0000
10	14.73	34.480							10	14.73	34.480	25.65	235	235	.0235
20	14.74	34.430							20	14.74	34.430	25.61	239	239	.0472
30	14.72	34.470							30	14.72	34.470	25.64	235	236	.0710
50	14.70	34.430							50	14.70	34.430	25.62	238	239	.1186
78	14.67	34.480													

KOREA ,TAE BAEK SAN , STATION 313-07 , 33-?44. N, 125-00. E, FEB.19.1979, 16.50 KST, DEPTH 72 , COLOR 3, TRANS. 13. ,

WAVE 1, SWELL 2, WIND SW 1, BARO 1015. , AIR TEMP. DRY 12.5, WET . , CLOUD. TYPE CU, AMT 10, WEATHER C ,

0	14.76	34.420							0	14.76	34.420	25.60	240	239	.0000
10	14.72	34.420							10	14.72	34.420	25.60	239	239	.0240
20	14.70	34.430							20	14.70	34.430	25.62	238	238	.0479
30	14.70	34.440							30	14.70	34.440	25.62	237	238	.0717
50	14.66	34.430							50	14.66	34.430	25.63	237	238	.1194
70	14.65	34.340													

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 313-08 , 33-244. N, 124-480. E, FEB.19.1979, 18.10 KST, DEPTH 76 , COLOR 3, TRANS. 7. ,

WAVE 1, SWELL 2, WIND SW 1, BARO 1010.5, AIR TEMP. DRY 12.5, WET . , CLOUD. TYPE CU, AMT 10, WEATHER C ,

0	14.32	34.370							0	14.32	34.370	25.65	234	234	.0000
10	14.28	34.370							10	14.28	34.370	25.66	234	234	.0234
20	14.20	34.350							20	14.20	34.350	25.66	234	234	.0469
30	14.21	34.330							30	14.21	34.330	25.64	235	236	.0704
50	14.23	34.350							50	14.23	34.350	25.66	234	235	.1176
72	14.21	34.340													

KOREA ,TAE BAEK SAN , STATION 313-09 , 33-244. N, 124-360. E, FEB.19.1979, 19.20 KST, DEPTH 70 , COLOR , TRANS. . ,

WAVE 1, SWELL 2, WIND SW 1, BARO 1012. , AIR TEMP. DRY 10.2, WET . , CLOUD. TYPE CU, AMT 10, WEATHER C ,

0	14.21	34.320							0	14.21	34.320	25.64	236	236	.0000
10	14.10	******							10	14.10	******	*****	***	***	******
20	13.95	34.260							20	13.95	34.260	25.65	235	235	******
30	13.82	34.270							30	13.82	34.270	25.68	232	232	******
50	13.86	34.290							50	13.86	34.290	25.69	231	232	******
65	13.90	34.310													

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA T	D-T	SVA	D DY

KOREA ,TAE BAEK SAN , STATION 313-10 , 33-244. N, 124-24 . E, FEB.19.1979, 20.30 KST, DEPTH 68 , COLOR , TRANS. , ,

WAVE 1, SWELL 2, WIND SW 1, BARO 1013. , AIR TEMP. DRY 10.2, WET , , CLOUD. TYPE CU, AMT 10, WEATHER C ,

0	13.88	34.220								0	13.88	34.220		25.63	237	236	.0000
10	13.85	34.220								10	13.85	34.220		25.64	236	236	.0237
20	13.80	34.230								20	13.80	34.230		25.65	234	235	.0472
30	13.80	34.290								30	13.80	34.290		25.70	230	230	.0705
50	13.80	34.300								50	13.80	34.300		25.71	229	230	.1167
63	13.82	34.310															

4 월 (April)

KOREA ,TAE BAEK SAN , STATION 313-02 , 33-244. N, 124-00. E, APR.17.1979, 09.10 KST, DEPTH 90 , COLOR 3, TRANS. 10. ,

WAVE 1, SWELL 1, WIND NE 1, BARO 1013. , AIR TEMP. DRY 10.0, WET , , CLOUD. TYPE CS, AMT 5, WEATHER BC,

	13.04	34.170								0	13.04	34.170		25.76	224	224	.0000
10	13.45	34.180								10	13.45	34.180		25.69	231	231	.0228
20	13.48	34.190								20	13.48	34.190		25.69	231	231	.0460
30	13.55	34.150								30	13.55	34.150		25.64	235	236	.0694
50	13.56	34.150								50	13.56	34.150		25.65	234	235	.1166
75	13.56	34.140								75	13.56	34.140		25.63	236	238	.1758
85	13.00	34.180															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 313-03 , 33-244. N, 125-480. E, APR.17.1979, 10.20 KST, DEPTH 92 , COLOR 3, TRANS. 10. ,

WAVE 1, SWELL 2, WIND NE 1, BARO 1018. , AIR TEMP. DRY 10.0, WET . , CLOUD. TYPE NS, AMT 10, WEATHER C ,

0	12.32	******								0	12.32	******		*****	***	***	.0000
10	13.14	******								10	13.14	******		*****	***	***	******
20	13.32	******								20	13.32	******		*****	***	***	******
30	13.20	******								30	13.20	******		*****	***	***	******
50	13.28	******								50	13.28	******		*****	***	***	******
75	13.00	******								75	13.00	******		*****	***	***	******
87	13.30	******															

KOREA ,TAE BAEK SAN , STATION 313-04 , 33-244. N, 125-360. E, APR.17.1979, 11.30 KST, DEPTH 88 , COLOR 3, TRANS. 8. ,

WAVE 1, SWELL 2, WIND NE 1, BARO 1013. , AIR TEMP. DRY 10.5, WET . , CLOUD. TYPE NS, AMT 10, WEATHER C ,

0	12.31	34.060								0	12.31	34.060		25.82	219	218	.0000
10	12.94	34.080								10	12.94	34.080		25.71	229	229	.0224
20	13.38	34.250								20	13.38	34.250		25.75	225	225	.0451
30	13.42	34.240								30	13.42	34.240		25.74	226	227	.0678
50	13.00	34.240								50	13.00	34.240		25.82	218	219	.1124
75	13.38	34.220								75	13.38	34.220		25.73	227	228	.1685
83	13.44	34.240															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 313-05 , 33-244. N, 125-240. E, APR.17.1979, 12.40 KST, DEPTH 80 , COLOR 4, TRANS. 7. ,
WAVE 1, SWELL 2, WIND NW 1, BARO 1018. , AIR TEMP. DRY 11.0, WET . , CLOUD. TYPE NS, AMT 10, WEATHER C ,

0	13.03	34.060							0	13.08	34.060	25.67	233	233	.0000
10	13.19	34.070							10	13.19	34.070	25.65	234	234	.0234
20	13.10	34.070							20	13.10	34.070	25.67	233	233	.0468
30	13.10	34.080							30	13.10	34.080	25.68	232	232	.0701
50	13.11	34.080							50	13.11	34.080	25.68	232	233	.1167
75	13.10	34.120													

KOREA ,TAE BAEK SAN , STATION 313-06 , 33-244. N, 125-120. E, APR.17.1979, 13.50 KST, DEPTH 83 , COLOR 4, TRANS. 8. ,
WAVE 1, SWELL 2, WIND NW 1, BARO 1018. , AIR TEMP. DRY 15.5, WET . , CLOUD. TYPE NS, AMT 10, WEATHER C ,

0	12.90	34.030							0	12.90	34.030	25.68	232	231	.0000
10	12.94	34.010							10	12.94	34.010	25.66	234	234	.0233
20	13.11	34.070							20	13.11	34.070	25.67	233	233	.0467
30	13.11	34.080							30	13.11	34.080	25.68	232	232	.0700
50	13.15	34.080							50	13.15	34.080	25.67	233	234	.1167
75	13.20	34.080													

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 313-07 , 33-244. N, 125-000. E, APR.17.1979, 15.00 KST, DEPTH 72 , COLOR 4, TRANS. 9.

WAVE 1, SWELL 2, WIND NW 1, BARO 1016. , AIR TEMP. DRY 10.8, WET . , CLOUD. TYPE NS, AMT 10, WEATHER E ,

0	12.20	34.190								0	12.20	34.190		25.94	207	207	.0000
10	12.26	34.190								10	12.26	34.190		25.93	208	208	.0208
20	12.12	33.860								20	12.12	33.860		25.70	230	230	.0427
30	12.10	33.840								30	12.10	33.840		25.69	231	231	.0658
50	12.31	33.900								50	12.31	33.900		25.70	230	231	.1122
67	12.40	33.930															

KOREA ,TAE BAEK SAN , STATION 313-03 , 33-244. N, 124-480. E, APR.17.1979, 16.10 KST, DEPTH 76 , COLOR 4 TRANS. 9.

WAVE 1, SWELL 2, WIND NW 3, BARO 1016. , AIR TEMP. DRY 11.5, WET . , CLOUD. TYPE NS, AMT 10, WEATHER C ,

0	12.15	33.670								0	12.15	33.670		25.55	244	244	.0000
10	11.83	33.660								10	11.83	33.660		25.60	239	239	.0242
20	11.70	33.660								20	11.70	33.660		25.63	237	237	.0481
30	11.69	33.690								30	11.69	33.690		25.65	235	235	.0717
50	11.62	33.630								50	11.62	33.680		25.66	234	235	.1188
71	11.60	33.640															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 313-09 , 33-244. N, 124-360. E, APR.17.1979, 17.20 KST, DEPTH 70 , COLOR 4, TRANS. 9. ,

WAVE 1, SWELL 2, WIND NW 4, BARO 1016. , AIR TEMP. DRY 11.5, WET . , CLOUD. TYPE NS, AMT 10, WEATHER C ,

0	11.86	33.690	0	11.86	33.690	25.62	238	237	.0000
10	11.95	33.660	10	11.95	33.660	25.58	241	241	.0240
20	11.70	33.640	20	11.70	33.640	25.61	238	239	.0480
30	11.77	33.640	30	11.77	33.640	25.60	240	240	.0720
50	11.81	33.660	50	11.81	33.660	25.60	239	240	.1201
65	11.80	33.690							

KOREA ,TAE BAEK SAN , STATION 313-10 , 33-244. N, 124-240. E, APR.17.1979, 18.30 KST, DEPTH 68 , COLOR 4, TRANS. 9. ,

WAVE 1, SWELL 2, WIND NW 3, BARO 1016. , AIR TEMP. DRY 11.5, WET . , CLOUD. TYPE NS, AMT 10, WEATHER C ,

0	11.50	33.650	0	11.50	33.650	25.65	234	234	.0000
10	11.90	33.670	10	11.90	33.670	25.60	240	240	.0237
20	12.85	33.660	20	12.85	33.660	25.41	258	258	.0487
30	12.87	33.650	30	12.87	33.650	25.39	259	259	.0746
50	12.80	33.650	50	12.80	33.650	25.41	258	259	.1265
63	12.36	33.660							

OBSERVED										INTERPOLATED				CALCULATED			
-	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

(June)

KOREA ,TAE BAEK SAN , STATION 313-02 , 33-244. N, 126-000. E, JUN. 9.1979, 03.20 KST, DEPTH 90 , COLOR , TRANS. . ,

WAVE 2, SWELL 1, WIND SW 3, BARO 1003. , AIR TEMP. DRY 20.3, WET . , CLOUD. TYPE , AMT , WEATHER BC,

0	18.98	33.360							0	18.98	33.360	23.80	411	411	.0000
10	18.86	33.300							10	18.86	33.300	23.78	413	413	.0412
20	17.78	33.820							20	17.78	33.820	24.44	350	350	.0794
30	17.20	34.140							30	17.20	34.140	24.53	313	314	.1126
50	15.62	34.140							50	15.62	34.140	25.19	278	279	.1720
75	14.45	34.010							75	14.45	34.010	25.35	263	265	.2402
85	14.40	34.060													

KOREA ,TAE BAEK SAN , STATION 313-03 , 33-244. N, 125-480. E, JUN. 9.1979, 02.10 KST, DEPTH 90 , COLOR , TRANS. . ,

WAVE 2, SWELL 1, WIND SW 3, BARO 1002.5, AIR TEMP. DRY 19.6, WET . , CLOUD. TYPE , AMT , WEATHER BC,

0	18.80	33.250							0	18.80	33.250	23.76	415	415	.0000
10	18.74	33.170							10	18.74	33.170	23.71	419	419	.0418
20	15.55	33.240							20	15.55	33.240	24.52	343	343	.0799
30	14.41	33.280							30	14.41	33.280	24.79	316	317	.1129
50	15.86	34.110							50	15.86	34.110	25.11	286	287	.1733
75	15.15	34.180							75	15.15	34.180	25.33	265	267	.2427
85	14.29	34.180													

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 313-04 , 33-244. N, 125-360. E, JUN. 9.1979, 01.00 KST, DEPTH 85 , COLOR , TRANS. , ,

WAVE 2, SWELL 1, WIND SW 3, BARO 1003. , AIR TEMP. DRY 19.8, WET , , CLOUD. TYPE , AMT , WEATHER BC,

0	18.83	33.200							0	18.83	33.200	23.71	419	419	.0000
10	18.76	33.190							10	18.76	33.190	23.72	418	418	.0419
20	15.57	33.280							20	15.57	33.280	24.54	340	340	.0799
30	13.67	33.480							30	13.67	33.480	25.10	287	287	.1113
50	14.99	34.110							50	14.99	34.110	25.31	267	268	.1670
75	14.35	34.060							75	14.35	34.060	25.41	258	259	.2331
80	14.40	34.130													

KOREA ,TAE BAEK SAN , STATION 313-05 , 33-244. N, 125-240. E, JUN. 8.1979, 23.50 KST, DEPTH 84 , COLOR , TRANS. , ,

WAVE , SWELL , WIND , BARO 999.5, AIR TEMP. DRY 21.0, WET , , CLOUD. TYPE , AMT , WEATHER ,

0	18.89	33.990							0	18.89	33.990	24.30	363	363	.0000
10	18.47	33.960							10	18.47	33.960	24.38	356	356	.0360
20	15.03	33.470							20	15.03	33.470	24.81	315	315	.0696
30	13.99	33.940							30	13.99	33.940	25.39	259	260	.0984
50	14.06	34.010							50	14.06	34.010	25.43	256	257	.1501
75	14.00	33.990													

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	CVA	D-DY

KOREA ,TAE BAEK SAN , STATION 313-06 , 33-244. N, 125-120. E, JUN. 8.1979, 22.40 KST, DEPTH 82 , COLOR , TRANS. . ,

WAVE , SWELL , WIND , BARO 1000. , AIR TEMP. DRY 20.8, WET . , CLOUD. TYPE , AMT , WEATHER BC,

0	19.17	32.900								0	19.17	32.900		23.40	449	449	.0000
10	18.50	32.860								10	18.50	32.860		23.53	436	436	.0443
20	14.70	33.460								20	14.70	33.460		24.87	309	309	.0816
30	13.82	33.860								30	13.82	33.860		25.36	262	262	.1102
50	13.68	33.920								50	13.68	33.920		25.40	259	260	.1625
75	13.78	33.930															

KOREA ,TAE BAEK SAN , STATION 313-07 , 33-244. N, 125-000. E, JUN. 8.1979, 21.30 KST, DEPTH 75 , COLOR , TRANS. . ,

WAVE , SWELL , WIND , BARO 1000. , AIR TEMP. DRY 20.2, WET . , CLOUD. TYPE , AMT , WEATHER BC,

0	19.00	32.880								0	19.00	32.880		23.42	447	446	.0000
10	18.50	32.800								10	18.50	32.800		23.49	441	441	.0444
20	14.85	33.140								20	14.85	33.140		24.59	335	336	.0832
30	13.66	33.640								30	13.66	33.640		25.23	275	275	.1138
50	13.62	33.800								50	13.62	33.800		25.36	262	263	.1678
75	13.50	33.920															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 313-03 , 33-244. N, 124-400. E, JUN. 8.1979, 20.20 KST, DEPTH 7 , COLOR , TRANS. , ,

WAVE , SWELL , WIND S 4, BARO 1000. , AIR TEMP. DRY 20.3, WET , CLOUD. TYPE , AMT , WEATHER ,

0	19.41	32.730				0	19.41	32.730	23.21	467	467	.0000
10	18.30	32.810				10	18.30	32.810	23.55	435	435	.0452
20	13.61	33.200				20	13.61	33.200	24.90	306	306	.0823
30	13.22	33.650				30	13.22	33.650	25.32	266	266	.1110
50	13.30	33.870				50	13.30	33.870	25.48	251	252	.1629
75	13.10	33.690										

KOREA ,TAE BAEK SAN , STATION 313-09 , 33-244. N, 124-360. E, JUN. 8.1979, 19.10 KST, DEPTH 70 , COLOR , TRANS. , ,

WAVE , SWELL , WIND S 4, BARO 1000. , AIR TEMP. DRY 21.6, WET , CLOUD. TYPE CC, AMT 4, WEATHER BC,

0	19.36	32.630				0	19.36	32.630	23.14	474	473	.0000
10	18.62	32.650				10	18.62	32.650	23.34	454	454	.0464
20	14.69	33.080				20	14.69	33.080	24.58	336	337	.0860
30	13.16	33.680				30	13.16	33.680	25.36	262	263	.1160
50	13.24	33.690				50	13.24	33.690	25.35	263	264	.1688
65	13.16	33.690										

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	Si	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 313-10 , 33-244. N, 124-240. E, JUN. 8.1979, 18.00 KST, DEPTH 68 , COLOR 4, TRANS. 13. ,

WAVE 2, SWELL 1, WIND S 3, BARO 1000. , AIR TEMP. DRY 23.7, WET . , CLOUD. TYPE CC, AMT 3, WEATHER BC,

0	19.38	32.560								0	19.38	32.560		23.09	479	479	.0000
10	18.73	32.550								10	18.73	32.550		23.24	464	464	.0472
20	13.88	32.840								20	13.88	32.840		24.57	338	338	.0874
30	12.95	33.580								30	12.95	33.580		25.32	266	266	.1176
50	12.95	33.640								50	12.95	33.640		25.37	261	262	.1705
63	12.93	33.640															

8월 (August)

KOREA ,TAE BAEK SAN , STATION 313-02 , 33-244. N, 126-000. E, AUG.11.1979, 02.00 KST, DEPTH 85 , COLOR , TRANS. . ,

WAVE SE 1, SWELL , WIND SE 2, BARO 1007. , AIR TEMP. DRY 26.2, WET . , CLOUD. TYPE CC, AMT 2, WEATHER B ,

0	27.33	30.980								0	27.33	30.980		19.62	812	811	.0000
10	23.95	31.520								10	23.95	31.520		21.05	674	674	.0743
20	19.25	33.620								20	19.25	33.620		23.92	399	399	.1280
30	14.99	33.190								30	14.99	33.190		24.60	335	335	.1648
50	15.15	33.530								50	15.15	33.530		24.83	313	314	.2298
75	15.10	33.590								75	15.10	33.590		24.88	308	309	.3078
80	15.07	33.620															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 313-03 , 33-244. N, 125-480. E, AUG.11.1979, 00.50 KST, DEPTH 90 , COLOR , TRANS . ,
WAVE SE 1, SWELL , WIND SE 2, BARO 1007. , AIR TEMP. DRY 20.4, WET . , CLOUD. TYPE CC, AMT 2, WEATHER B ,

0	27.83	30.980								0	27.83	30.980		19.46	827	827	.0000
10	22.19	31.620								10	22.19	31.620		21.63	619	619	.0723
20	20.51	32.410								20	20.51	32.410		22.68	518	518	.1292
30	17.56	33.220								30	17.56	33.220		24.04	388	389	.1746
50	14.63	33.690								50	14.63	33.690		25.06	291	292	.2427
75	14.77	33.760								75	14.77	33.760		25.09	288	290	.3156
85	14.69	33.780															

KOREA ,TAE BAEK SAN , STATION 313-04 , 33-244. N, 125-360. E, AUG.10.1979, 23.40 KST, DEPTH 90 , COLOR , TRANS. . ,
WAVE SE 1, SWELL , WIND SE 2, BARO 1007. , AIR TEMP. DRY 26.4, WET . , CLOUD. TYPE CC, AMT 2, WEATHER B ,

0	27.30	30.770								0	27.30	30.770		19.47	826	826	.0000
10	19.84	31.590								10	19.84	31.590		22.23	561	561	.0694
20	18.94	32.980								20	18.94	32.980		23.52	438	438	.1194
30	14.48	33.860								30	14.48	33.860		25.23	275	276	.1551
50	14.45	33.940								50	14.45	33.940		25.29	269	270	.2097
75	14.47	33.950								75	14.47	33.950		25.30	268	270	.2773
85	14.43	33.930															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	T .P	SAL	02	SIGMA-T	D-T	SVA	D DY
KOREA ,TAE BAEK SAN , STATION 313-05 , 33-244. N, 125-240. E, AUG.10.1979, 22.30 KST, DEPTH 85 , COLOR , TRANS. . ,																	
WAVE SE 1, SWELL , WIND SE 2, BARO 1007. , AIR TEMP. DRY 27.6, WET . , CLOUD. TYPE CC, AMT 2, WEATHER 8 ,																	
0	27.29	30.790								0	27.29	30.790		19.49	824	824	.0000
10	20.40	31.450								10	20.40	31.450		21.98	585	585	.0705
20	14.19	32.960								20	14.19	32.960		24.59	335	335	.1165
30	14.34	33.960								30	14.34	33.960		25.33	265	265	.1466
50	14.61	34.000								50	14.61	34.000		25.31	267	268	.2001
75	14.48	34.000															
KOREA ,TAE BAEK SAN , STATION 313-06 , 33-244. N, 125-120. E, AUG.10.1979, 21.20 KST, DEPTH 80 , COLOR TRANS. . ,																	
WAVE SE 1, SWELL , WIND SE 2, BARO 1006. , AIR TEMP. DRY 27.8, WET . , CLOUD. TYPE CC, AMT 2, WEATHER 8 ,																	
0	28.52	30.690								0	28.52	30.690		19.02	869	869	.0000
10	22.88	30.030								10	22.88	30.030		20.23	752	752	.0811
20	14.14	33.130								20	14.14	33.130		24.73	322	322	.1349
30	14.72	34.080								30	14.72	34.080		25.34	264	264	.1642
50	14.62	33.990								50	14.62	33.990		25.30	268	269	.2177
75	14.56	34.010															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 313-07 , 33-244. N, 125-000. E, AUG.10.1979, 20.10 KST, DEPTH 80 , COLOR , TRANS. , ,
WAVE SE 1, SWELL , WIND SE 2, BARO 1005. , AIR TEMP. DRY 27.8, WET . , CLOUD. TYPE CC, AMT 2, WEATHER B ,

0	28.33	31.040								0	28.33	31.040		19.34	838	838	.0000
10	21.27	31.440								10	21.27	31.440		21.74	608	608	.0723
20	15.16	32.850								20	15.16	32.850		24.30	363	363	.1209
30	14.89	33.880								30	14.89	33.880		25.15	282	282	.1533
50	14.83	34.010								50	14.83	34.010		25.27	271	272	.2088
75	14.77	34.020															

KOREA ,TAE BAEK SAN , STATION 313-08 , 33-244. N, 124-400. E, AUG.10.1979, 19.00 KST, DEPTH 75 , COLOR , TRANS. , ,
WAVE SE 1, SWELL , WIND SE 2, BARO 1006. , AIR TEMP. DRY 28.8, WET . , CLOUD. TYPE CC, AMT 2, WEATHER B ,

0	28.50	31.040								0	28.50	31.040		19.28	844	843	.0000
1	20.30	31.440								10	20.30	31.440		22.00	58[illegible]	583	.0714
20	14.46	32.850								20	14.46	32.850		24.45	349	349	.1180
30	14.78	33.880								30	14.78	33.880		25.18	[illegible]	280	.1495
50	14.71	34.010								50	14.71	34.010		25.29	269	270	.2046
70	14.73	34.020															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	Si	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 313-09 , 33-244. N, 124-360. E, AUG.10.1979, 17.55 KST, DEPTH 75 , COLOR , TRANS. . ,

WAVE SE 1, SWELL , WIND SE 2, BARO 1005. , AIR TEMP. DRY 29.5, WET . , CLOUD. TYPE CC, AMT 2, WEATHER B ,

0	28.72	31.060								0	28.72	31.060		19.23	849	849	.0080
10	22.90	30.900								10	22.90	30.900		20.88	690	690	.0770
20	19.01	31.430								20	19.01	31.480		22.36	549	549	.1390
30	13.94	32.740								30	13.94	32.740		24.48	346	347	.1838
50	14.04	33.760								50	14.04	33.760		25.24	274	275	.2460
70	14.10	33.980															

KOREA ,TAE BAEK SAN , STATION 313-10 , 33-244. N, 124-240. E, AUG.10.1979, 16.40 KST, DEPTH 70 , COLOR 4, TRANS. 16. ,

WAVE E 1, SWELL , WIND SE 2, BARO 1005. , AIR TEMP. DRY 29.8, WET . , CLOUD. TYPE CC, AMT 2, WEATHER

0	28.12	31.040								0	28.12	31.040		19.41	832	831	.0000
10	21.30	31.180								10	21.30	31.180		21.54	627	627	.0730
20	16.13	32.550								20	16.13	32.550		23.86	405	406	.1247
30	14.30	33.630								30	14.30	33.630		25.09	288	289	.1594
50	14.10	33.900								50	14.10	33.900		25.34	264	265	.2150
65	14.07	33.870															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

10 월 (October)

KOREA ,TAE BAEK SAN , STATION 313-02 , 33-244. N, 126-00. E, OCT.22.1979, 16.20 KST, DEPTH 8? , COLOR 3, TRANS. 12.0,

WAVE 3, SWELL 3, WIND NW 4, BARO 1020.3, AIR TEMP. DRY 16.7, WET . , CLOUD. TYPE AS, AMT 4, WEATHER BC,

0	22.11	34.190								0	22.11	34.190		23.59	431	430	.0000
10	22.12	34.230								10	22.12	34.230		23.62	428	428	.0430
20	22.10	34.210								20	22.10	34.210		23.61	429	429	.0859
30	22.00	34.230								30	22.00	34.230		23.65	425	425	.1287
50	21.95	34.230								50	21.95	34.230		23.67	423	425	.2138
75	21.78	34.250								75	21.78	34.250		23.73	417	420	.3194
81	21.66	******															

KOREA ,TAE BAEK SAN , STATION 313-03 , 33-244. N, 125-40. E, OCT.22.1979, 17.50 KST, DEPTH 90 , COLOR , TRANS. . ,

WAVE 3, SWELL 3, WIND NW 4, BARO 1020. , AIR TEMP. DRY 15.4, WET . , CLOUD. TYPE AS, AMT 4, WEATHER BC,

0	22.50	34.040								0	22.50	34.040		23.37	452	452	.0000
10	22.40	******								10	22.40	******		*****	***	***	******
20	22.50	34.080								20	22.50	34.080		23.40	449	449	******
30	22.46	34.050								30	22.46	34.050		23.39	450	451	******
50	22.60	34.060								50	22.60	34.060		23.36	453	454	******
75	22.60	34.090								75	22.60	34.090		23.38	451	453	******
85	22.59	34.090															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3 N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 313-04 , 33-244. N, 125-360. E, OCT.22.1979, 19.10 KST, DEPTH 88 , COLOR , TRANS. . ,

WAVE , SWELL , WIND NW 2, BARO 1020. , AIR TEMP. DRY 14.8, WET . , CLOUD. TYPE , AMT , WEATHER BC,

0	22.28	34.120	0	22.28	34.120	23.49	440	440	.0000
10	22.31	34.130	10	22.31	34.130	23.49	440	440	.0441
20	22.38	34.120	20	22.38	34.120	23.46	443	443	.0883
30	22.31	34.040	30	22.31	34.040	23.42	447	447	.1329
50	22.30	34.070	50	22.30	34.070	23.45	444	446	.2223
75	19.04	33.980	75	19.04	33.980	24.25	368	370	.3243
83	18.10	34.320							

KOREA ,TAE BAEK SAN , STATION 313-05 , 33-244. N, 125-240. E, OCT.22.1979, 20.30 KST, DEPTH 84 , COLOR , TRANS. . ,

WAVE , SWELL , WIND NW 4, BARO 1021. , AIR TEMP. DRY 14.2, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	22.41	34.150	0	22.41	34.150	23.48	441	441	.0000
10	22.53	34.180	10	22.53	34.180	23.47	443	443	.0442
20	22.36	34.180	20	22.36	34.180	23.52	438	438	.0883
30	22.50	34.130	30	22.50	34.130	23.44	445	446	.1326
50	22.50	34.130	50	22.50	34.130	23.44	445	447	.2220
75	18.90	34.020							

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 313-06 , 33-244. N, 125-120. E, OCT.22.1979, 21.50 KST, DEPTH 80 , COLOR , TRANS. , ,

WAVE , SWELL , WIND NW 4, BARO 1021. , AIR TEMP. DRY 14.2, WET , CLOUD. TYPE , AMT , WEATHER ,

0	22.80	34.220							0	22.80	34.220	23.42	447	447	.0000
10	22.34	34.220							10	22.84	34.220	23.41	448	448	.0448
20	21.92	34.200							20	21.92	34.200	23.65	425	425	.0885
30	22.67	34.210							30	22.67	34.210	23.45	444	445	.1321
50	22.80	34.240							50	22.80	34.240	23.44	446	447	.2213
75	17.74	34.410													

KOREA ,TAE BAEK SAN , STATION 313-07 , 33-244. N, 125-000. E, OCT.22.1979, 23.10 KST, DEPTH 70 , COLOR , TRANS. , ,

WAVE , SWELL , WIND NW 4, BARO 1021. , AIR TEMP. DRY 14.0, WET , CLOUD. TYPE , AMT , WEATHER ,

0	22.55	34.140							0	22.55	34.140	23.43	446	446	.0000
10	22.64	34.150							10	22.64	34.150	23.41	448	448	.0447
20	22.10	34.140							20	22.10	34.140	23.56	434	434	.0889
30	22.51	34.200							30	22.51	34.200	23.49	441	441	.1327
50	19.69	34.210							50	19.69	34.210	24.26	367	368	.2137
65	17.56	34.370													

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA T	D-T	SVA	D DY

KOREA ,TAE BAEK SAN , STATION 313-08 , 33-244. N, 124-480. E, OCT.23.1979, 00.30 KST, DEPTH 75 , COLOR , TRANS. . .

WAVE , SWELL , WIND NW 4, BARO 1021. , AIR TEMP. DRY 15.5, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	20.96	33.170								0	20.96	33.170		23.14	474	474	.0000
10	21.05	33.130								10	21.05	33.130		23.08	480	480	.0477
20	21.56	33.510								20	21.56	33.510		23.23	465	466	.0950
30	21.56	33.670								30	21.56	33.670		23.35	454	454	.1411
50	21.56	33.730								50	21.56	33.730		23.40	449	451	.2317
70	19.62	33.670															

KOREA ,TAE BAEK SAN , STATION 313-09 , 33-244. N, 124-360. E, OCT.23.1979, 01.50 KST DEPTH 70 , COLOR , TRANS. . .

WAVE , SWELL , WIND NW 4, BARO 1021. , AIR TEMP. DRY 15.0, WET . , CLOUD. TYPE , AMT , WEATHER

0	21.00	33.250								0	21.00	33.250		23.19	470	469	.0000
10	21.01	33.230								10	21.01	33.230		23.17	471	471	.0471
20	21.01	33.200								20	21.01	33.200		23.14	473	474	.0944
30	21.46	******								30	21.46	******		*****	***	***	******
50	21.02	33.350								50	21.02	33.350		23.26	463	464	******
65	17.18	33.730															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE PAEK SAN , STATION 313-10 , 33-244. N, 124-240. E, OCT.23.1979, 03.10 KST, DEPTH 68 , COLOR , TRANS. , ,

WAVE SWELL , WIND NW 4, BARO 1021. , AIR TEMP. DRY 15.0, WET , , CLOUD. TYPE , AMT , WEATHER ,

0	20.55	33.860							0	20.55	33.860	23.77	414	414	.0000
10	20.50	33.720							10	20.50	33.720	23.68	423	423	.0419
20	20.53	33.710							20	20.53	33.710	23.66	424	425	.0843
30	20.61	33.710							30	20.61	33.710	23.64	426	427	.1269
50	20.29	33.720							50	20.29	33.720	23.73	417	419	.2115
63	15.96	33.670													

12 월 (December)

KOREA ,TAE BAEK SAN , STATION 313-02 , 33-244. N, 126-000. E, DEC.11.1979, 19.10 KST, DEPTH 90 , COLOR , TRANS. , ,

WAVE 4, SWELL 2, WIND NW 6, BARO 1023. , AIR TEMP. DRY 9.7, WET , , CLOUD. TYPE , AMT , WEATHER BC,

0	18.73	34.360							0	18.73	34.360	24.77	333	332	.0000
10	18.73	34.550							10	18.73	34.550	24.77	319	319	.0326
20	18.71	34.540							20	18.71	34.540	24.76	319	319	.0646
30	18.76	34.520							30	18.76	34.520	24.73	322	322	.0967
50	18.76	34.550							50	18.76	34.550	24.76	321	321	.1611
75	18.73	34.550							75	18.73	34.550	24.77	319	321	.2415
85	18.71	34.540													

OBSERVED									INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	OXY	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA	,TAE BAEK SAN	, STATION 313-03 , 33-244. N, 125-480. E, DEC.11.1979, 20.20 KST, DEPTH 92 , COLOR , TRANS. . ,															
WAVE	4, SWELL	2, WIND NW	6, BARO 1028. , AIR TEMP. DRY	9.5, WET	. , CLOUD. TYPE	, AMT	, WEATHER BC,										
0	18.51	34.540								0	18.51	34.540		24.81	314	314	.0000
10	18.53	34.550								10	18.53	34.550		24.82	314	314	.0315
20	18.65	34.530								20	18.65	34.530		24.77	318	319	.0631
30	18.62	34.520								30	18.62	34.520		24.77	318	319	.0951
50	18.61	34.520								50	18.61	34.520		24.77	318	319	.1590
75	18.61	34.520								75	18.61	34.520		24.77	318	320	.2391
85	18.63	34.520															

KOREA	,TAE BAEK SAN	, STATION 313-04 , 33-244. N, 125-360. E, DEC.15.1979, 05.30 KST, DEPTH 88 , COLOR										TRANS. . ,					
WAVE	4, SWELL	2, WIND NW	5, BARO 1023. , AIR TEMP. DRY	11.0, WET	. , CLOUD. TYPE	, AMT	, WEATHER BC,										
0	18.03	34.510								0	18.03	34.510		24.91	305	305	.0000
10	18.08	34.520								10	18.08	34.520		24.90	306	306	.0306
20	18.12	34.510								20	18.12	34.510		24.89	307	308	.0613
30	18.10	34.500								30	18.10	34.500		24.88	308	308	.0921
50	18.09	34.510								50	18.09	34.510		24.89	307	308	.1538
75	18.10	34.510								75	18.10	34.510		24.89	307	309	.2310
83	18.09	34.511															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 313-05 , 33-244. N, 125-240. E, DEC.15.1979, 04.20 KST, DEPTH 84 , COLOR , TRANS. . ,

WAVE 4, SWELL 2, WIND NW 5, BARO 1023. , AIR TEMP. DRY 9.8, WET . , CLOUD. TYPE , AMT , WEATHER BC,

0	18.18	34.530								0	18.18	34.530		24.89	307	307	.0000
10	18.22	34.520								10	18.22	34.520		24.87	309	309	.0308
20	18.20	34.530								20	18.20	34.530		24.88	308	308	.0617
30	18.24	34.520								30	18.24	34.520		24.86	309	310	.0927
50	17.53	34.540								50	17.53	34.540		25.05	291	293	.1530
75	18.11	34.520															

KOREA ,TAE BAEK SAN , STATION 313-06 , 33-244. N, 125-120. E, DEC.15.1979, 03.10 KST, DEPTH 83 , COLOR , TRANS. . ,

WAVE 4, SWELL 2, WIND NW 5, BARO 1023. , AIR TEMP. DRY 10.0, WET . , CLOUD. TYPE , AMT , WEATHER BC,

0	18.11	34.520								0	18.11	34.520		24.90	306	306	.0000
10	18.13	34.550								10	18.13	34.550		24.91	305	305	.0306
20	17.59	34.530								20	17.59	34.530		25.03	293	294	.0605
30	18.09	34.510								30	18.09	34.510		24.89	307	307	.0906
50	18.15	34.520								50	18.15	34.520		24.89	307	308	.1523
75	18.16	34.530															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D DY

KOREA ,TAE BAEK SAN , STATION 313-07 , 33-244. N, 125-000. E, DEC.15.1979, 07.10 KST, DEPTH 72 , COLOR , TRANS. . ,

WAVE 4, SWELL 2, WIND NW 5, BARO 1024. , AIR TEMP. DRY 10.4, WET . , CLOUD. TYPE , AMT , WEATHER BC,

0	[illegible]	[illegible]						24.92	304	304	.0000
[illegible]	[illegible]	34.510					10	[illegible]	34.500	24.91	305	305	.0305
20	[illegible]	34.510					20	17.94	34.510	24.93	303	303	.0609
30	[illegible].99	34.510					30	17.99	34.510	24.92	304	305	.0914
50	[illegible]7.99	34.510					50	17.99	34.510	24.92	304	305	.1525
67	[illegible].00	34.510											

KOREA ,TAE BAEK SAN , STATION 313-08 , 33-244. N, 124-480. E, DEC.15.1979, 00.50 KST, DEPTH 72 , COLOR , TRANS. . ,

WAVE 4, SWELL 2, WIND NW 5, BARO 1024. , AIR TEMP. DRY 10.7, WET . , CLOUD. TYPE , AMT , WEATHER BC,

0	17.50	34.420					0	17.50	34.420	24.97	299	299	.0000
10	17.59	34.410					10	17.59	34.410	24.94	302	302	.0301
20	17.54	34.430					20	17.5[illegible]	34.430	24.97	300	300	.0603
30	17.53	34.440					30	17.53	34.440	24.98	299	299	.0903
50	17.57	34.440					50	17.57	34.440	24.97	300	301	.1504
71	17.56	34.500											

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	17.23	34.370								0	17.23	34.370		25.00	297	297	.0000
10	17.39	34.370								10	17.39	34.370		24.96	301	301	.0299
20	17.40	34.370								20	17.40	34.370		24.95	301	301	.0600
30	17.41	34.370								30	17.41	34.370		24.95	301	302	.0902
50	17.40	34.380								50	17.40	34.380		24.96	300	301	.1506
65	17.44	34.420															

KOREA ,TAE BAEK SAN , STATION 313-09 , 33-244. N, 124-360. E, DEC.14.1979, 23.40 KST, DEPTH 70 , COLOR , TRANS. ,

WAVE 4, SWELL 2, WIND NW 5, BARO 1024. , AIR TEMP. DRY 10.9, WET . , CLOUD. TYPE , AMT , WEATHER BC,

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	17.47	34.390								0	17.47	34.390		24.95	301	301	.0000
10	17.48	34.380								10	17.48	34.380		24.94	302	302	.0302
20	17.50	34.380								20	17.50	34.380		24.94	302	303	.0604
30	17.52	34.390								30	17.52	34.390		24.94	302	303	.0908
50	17.56	34.410								50	17.56	34.410		24.95	302	303	.1514
63	17.50	34.380															

KOREA ,TAE BAEK SAN , STATION 313-10 , 33-244. N, 124-240. E, DEC.14.1979, 22.30 KST, DEPTH 68 , COLOR , TRANS. ,

WAVE 4, SWELL 2, WIND NW 6, BARO 1024. , AIR TEMP. DRY 11.0, WET . , CLOUD. TYPE , AMT , WEATHER BC,

314선 해 양 관 측 성 적
OCEANOGRAPHIC DATA. LINE 314

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	Si	PH	DEPTH	TEMP	SAL	02	SIGMA-1	D-T	SVA	D-DY

2 월 (February)

KOREA ,TAE BAEK SAN , STATION 314-00 , 33-000. N, 128-000. E, FEB. 9.1979, 17.00 KST, DEPTH 160 , COLOR 3, TRANS. 10. ,

WAVE 1, SWELL 2, WIND NE 3, BARO 1019. , AIR TEMP. DRY 12.6, WET . , CLOUD. TYPE CU, AMT 10, WEATHER C ,

0	16.54	34.400				0	16.54	34.400	25.18	279	279	.0000
10	16.58	34.400				10	16.58	34.400	25.17	280	280	.0280
20	16.60	34.390				20	16.60	34.390	25.16	281	282	.0561
30	16.54	34.400				30	16.54	34.400	25.18	279	280	.0843
50	16.43	34.390				50	16.43	34.390	25.20	278	279	.1402
75	16.41	34.330				75	16.41	34.380	25.20	278	280	.2101
100	15.70	34.330				100	15.70	34.380	25.36	262	265	.2783
125	15.70	34.370				125	15.70	34.370	25.35	263	266	.3449
150	14.72	34.350										

KOREA ,TAE BAEK SAN , STATION 314-01 , 33-000. N, 127-420. E, FEB. 9.1979, 18.50 KST, DEPTH 140 , COLOR , TRANS. . ,

WAVE 1, SWELL 2, WIND NE 3, BARO 1019. , AIR TEMP. DRY 12.0, WET . , CLOUD. TYPE CU, AMT 10, WEATHER C ,

0	15.70	34.320				0	15.70	34.320	25.31	267	267	.0000
10	15.70	34.320				10	15.70	34.320	25.31	267	267	.0267
20	15.64	34.320				20	15.64	34.320	25.33	266	266	.0534
30	15.61	34.380				30	15.61	34.380	25.38	260	261	.0798
50	15.61	34.410				50	15.61	34.410	25.40	258	259	.1319
75	15.57	34.430				75	15.57	34.430	25.43	256	258	.1967
100	15.60	34.450				100	15.60	34.450	25.43	255	258	.2613
									25.40	258	261	.3253

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 314-02 , 33-000. N, 127-040. E, FEB. 9.1979, 20.40 KST, DEPTH 125 , COLOR , TRANS. , ,

WAVE , SWELL , WIND , BARO 1019. , AIR TEMP. DRY 12.0, WET , , CLOUD. TYPE , AMT , WEATHER ,

0	15.82	34.380							0	15.82	34.380	25.33	265	265	.0000
10	15.79	34.380							10	15.79	34.380	25.34	264	264	.0265
20	15.95	34.370							20	15.95	34.370	25.29	269	269	.0532
30	15.85	34.390							30	15.85	34.390	25.33	265	265	.0800
50	18.87	34.430							50	18.87	34.430	24.64	331	332	.1398
75	15.88	34.400							75	15.88	34.400	25.33	265	267	.2148
100	15.80	34.390							100	15.80	34.390	25.34	264	266	.2816
120	15.84	34.400													

KOREA ,TAE BAEK SAN , STATION 314-03 , 33-000. N, 127-060. E, FEB. 9.1979, 22.30 KST, DEPTH 110 , COLOR , TRANS. , ,

WAVE , SWELL , WIND , BARO 1019. , AIR TEMP. DRY 12.0, WET , , CLOUD. TYPE , AMT , WEATHER ,

0	15.76	34.380							0	15.76	34.380	25.34	264	263	.0000
10	15.68	34.360							10	15.68	34.360	25.35	263	263	.0264
20	15.67	34.360							20	15.67	34.360	25.35	263	264	.0528
30	15.65	34.350							30	15.65	34.350	25.35	264	264	.0792
50	15.68	34.380							50	15.68	34.380	25.36	262	263	.1320
75	15.61	34.400							75	15.61	34.400	25.39	259	261	.1977
100	15.76	34.390													

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	[illegible]

KOREA ,TAE BAEK SAN , STATION 314-04 , 33-000. N, 126-480. E, FEB.10.1979, 00.20 KST, DEPTH 100 , COLOR , TRANS. .

WAVE , SWELL , WIND , BARO 1019. , AIR TEMP. DRY 12.0, WET . , CLOUD. TYPE AC, AMT 10, WEATHER C ,

0	15.88	34.360		0	15.88	34.360	25.30	268	267	.[illegible]
10	16.28	34.400		10	16.28	34.400	25.24	274	274	.[illegible]
20	16.34	34.340		20	16.34	34.340	25.18	279	279	.[illegible]
30	16.28	34.360		30	16.28	34.360	25.21	276	277	.[illegible]
50	16.33	34.380		50	16.33	34.380	25.21	276	277	.[illegible]
75	16.25	34.360		75	16.25	34.360	25.22	276	27	.[illegible]
95	16.33	******								

KOREA ,TAE BAEK SAN , STATION 314-05 , 33-000. N, 126-300. E, FEB.10.1979, 02.10 KST, DEPTH 100 , COLOR , TRANS.

WAVE , SWELL , WIND , BARO 1019. , AIR TEMP. DRY 12.0, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	15.45	34.410		0	15.45	34.410	25.44	255	255	.[illegible]
10	15.42	34.410		10	15.42	34.410	25.44	254	254	.[illegible]
20	15.45	34.410		20	15.45	34.410	25.44	255	255	.[illegible]
30	15.40	34.420		30	15.40	34.420	25.46	253	254	.[illegible]
50	15.35	34.410		50	15.35	34.410	25.46	253	254	.1274
75	15.29	34.430		75	15.29	34.430	25.49	250	252	.[illegible]
95	15.39	34.440								

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 314-06 , 33-000. N, 126-120. E, FEB.10.1979, 04.00 KST, DEPTH 110 , COLOR , TRANS.

WAVE , SWELL , WIND , BARO 1019. , AIR TEMP. DRY 12.0, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	15.60	34.420	0	15.60	34.420	25.41	257	257	.0000
10	15.60	34.400	10	15.60	34.400	25.40	259	259	.0258
20	15.60	34.400	20	15.60	34.400	25.40	259	259	.0518
30	15.58	34.410	30	15.58	34.410	25.41	258	258	.0777
50	15.60	34.440	50	15.60	34.440	25.43	256	257	.1293
75	15.40	34.430	75	15.40	34.430	25.46	252	254	.1934
100	15.50	34.440							

KOREA ,TAE BAEK SAN , STATION 314-07 , 33-000. N, 125-540. E, FEB.20.1979, 05.00 KST, DEPTH 90 , COLOR , TRANS. . ,

WAVE SWELL WIND , BARO 1010. , AIR TEMP. DRY 10.3, WET . , CLOUD. TYPE , AMT WEATHER ,

0	14.50	34.420	0	14.50	34.420	25.65	234	234	.0000
10	14.60	34.440	10	14.60	34.440	25.65	235	235	.0235
20	14.62	34.420	20	14.62	34.420	25.63	237	237	.0472
30	14.62	34.420	30	14.62	34.420	25.63	237	237	.0709
50	14.60	34.460	50	14.60	34.460	25.66	234	235	.1182
75	14.60	34.470	75	14.60	34.470	25.67	233	235	.1770
85	14.60	34.430							

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2 N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE PAEK SAN , STATION 314-01 , 33-00. N, 125-58. E, FEB.20.1979, 01.30 KST, DEPTH 90 , COLOR , TRANS. , ,

WAVE , SWELL , WIND , BARO 1010. , AIR TEMP. DRY 10.3, WET , , CLOUD. TYPE , AMT , WEATHER ,

0	14.90	34.400								0	14.90	34.400		25.55	244	244	.0000
10	14.91	34.400								10	14.91	34.400		25.55	244	244	.0245
20	14.90	34.410								20	14.90	34.410		25.56	243	244	.0489
30	14.90	34.380								30	14.90	34.380		25.54	246	246	.0734
50	14.82	34.400								50	14.82	34.400		25.57	242	244	.1225
75	14.87	34.380								75	14.87	34.380		25.54	245	247	.1839
85	14.90	34.400															

KOREA ,TAE PAEK SAN , STATION 314-02 , 33-00. N, 125-18. E, FEB.20.1979, 01.50 KST, DEPTH 80 , COLOR , TRANS. , ,

WAVE , SWELL , WIND , BARO 1010. , AIR TEMP. DRY 10.3, WET , , CLOUD. TYPE , AMT , WEATHER ,

0	14.92	34.430								0	14.92	34.430		25.57	242	242	.0000
10	14.93	34.400								10	14.93	34.400		25.54	245	245	.0244
20	14.92	34.430								20	14.92	34.430		25.57	242	243	.0488
30	14.85	34.400								30	14.85	34.400		25.56	243	244	.0732
50	14.89	34.400								50	14.89	34.400		25.55	244	245	.1221
75	14.90	34.400															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 314-10 , 33-000. N, 125-000. E, FEB.20.1979, 00.10 KST, DEPTH 75 , COLOR , TRANS. . ,

WAVE , SWELL , WIND , BARO 1012. , AIR TEMP. DRY 10.3, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	14.95	34.450								0	14.95	34.450		25.58	241	241	.0000
10	15.00	34.460								10	15.00	34.460		25.57	242	242	.0242
20	14.93	34.430								20	14.93	34.430		25.57	243	243	.0485
30	14.92	34.440								30	14.92	34.440		25.58	242	242	.0728
50	14.92	34.440								50	14.92	34.440		25.58	242	243	.1214
70	14.91	34.420															

4 월 (April)

KOREA ,TAE BAEK SAN , STATION 314-00 , 33-000. N, 128-000. E, APR.12.1979, 18.50 KST, DEPTH 130 , COLOR , TRANS. . .

WAVE , SWELL , WIND SE 2, BARO 1015. , AIR TEMP. DRY 16.5, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	16.30	34.350								0	16.30	34.350		25.20	278	277	.0000
10	15.21	34.330								10	15.21	34.330		25.43	256	256	.0267
20	15.12	34.330								20	15.12	34.330		25.45	254	254	.0522
30	15.11	34.340								30	15.11	34.340		25.46	253	253	.0777
50	15.01	34.360								50	15.01	34.360		25.50	249	250	.1281
75	15.00	34.380								75	15.00	34.380		25.51	248	249	.1907
100	14.86	34.330								100	14.86	34.330		25.51	248	251	.2534
125	14.91	34.350															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
0	16.33	34.340								0	16.33	34.340		25.18	279	279	.0000
10	15.10	34.360								10	15.10	34.360		25.48	251	251	.0265
20	15.09	34.370								20	15.08	34.370		25.49	250	250	.0517
30	15.14	34.360								30	15.14	34.360		25.47	252	253	.0769
50	15.10	34.350								50	15.10	34.350		25.47	252	253	.1275
75	15.10	34.360								75	15.10	34.360		25.48	251	253	.1909
100	15.04	34.350								100	15.04	34.360		25.49	250	252	.2542
125	15.09	34.340															

KOREA ,TAE BAEK SAN , STATION 314-01 , 33-000. N, 127-420. E, APR.12.1979, 20.40 KST, DEPTH 130 , COLOR , TRANS. , ,

WAVE , SWELL , WIND , BARO 1010. , AIR TEMP. DRY 15.5, WET . , CLOUD. TYPE , AMT , WEATHER. ,

KOREA ,TAE BAEK SAN , STATION 314-02 , 33-000. N, 127-240. E, APR.12.1979, 22.20 KST, DEPTH 125 , COLOR , TRANS. , ,

WAVE , SWELL , WIND , BARO 1010. , AIR TEMP. DRY 15.5, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	16.00	33.320								0	16.00	33.320		24.48	346	346	.0000
10	15.03	34.310								10	15.03	34.310		25.45	253	253	.0300
20	15.00	34.320								20	15.00	34.320		25.47	252	252	.0554
30	15.00	34.320								30	15.00	34.320		25.47	252	253	.0806
50	15.00	34.320								50	15.00	34.320		25.47	252	253	.1313
75	15.03	34.330								75	15.03	34.330		25.46	253	255	.1949
100	15.00	34.310								100	15.00	34.310		25.46	253	255	.2585
120	15.00	34.330															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 314-03 , 33-000. N, 127-660. E, APR.18.1979, 10.30 KST, DEPTH 160 , COLOR 4, TRANS. 9. ,
WAVE 2, SWELL 2, WIND NE 2, BARO 1015. , AIR TEMP. DRY 14.0, WET . , CLOUD. TYPE NS, AMT 10, WEATHER C ,

0	14.20	34.250		0	14.20	34.250	25.58	241	241	.0000
10	14.24	34.280		10	14.24	34.280	25.60	239	239	.0240
20	14.32	34.230		20	14.32	34.230	25.54	245	245	.0483
30	14.30	34.320		30	14.30	34.320	25.62	238	238	.0725
50	14.30	34.230		50	14.30	34.230	25.55	244	245	.1210
75	14.25	34.230		75	14.25	34.230	25.56	243	245	.1824
95	14.40	34.310								

KOREA ,TAE BAEK SAN , STATION 314-04 , 33-000. N, 126-480. E, APR.18.1979, 08.30 KST, DEPTH 100 , COLOR 4, TRANS. . ,
WAVE 2, SWELL 2, WIND NE 2, BARO 1019. , AIR TEMP. DRY 12.5, WET . , CLOUD. TYPE NS, AMT 10, WEATHER C ,

0	14.41	34.380		0	14.41	34.380	25.64	236	235	.0000
10	13.75	34.220		10	13.75	34.220	25.66	234	234	.0235
20	14.78	34.220		20	14.78	34.220	25.44	255	255	.0480
30	14.86	34.280		30	14.86	34.280	25.47	252	253	.0735
50	14.92	34.270		50	14.92	34.270	25.45	254	255	.1243
75	14.80	34.290		75	14.80	34.290	25.49	250	252	.1878
95	14.86	34.290								

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA	,TAE BAEK SAN	, STATION 314-05 , 33-000. N, 126-300. E, APR.18.1979, 06.50 KST, DEPTH 100 , COLOR 4, TRANS. 9. ,															
WAVE	2, SWELL	, WIND NE 2, BARO 1017. , AIR TEMP. DRY 12.5, WET . , CLOUD. TYPE NS, AMT 10, WEATHER C ,															
0	14.51	34.250								0	14.51	34.250		25.52	247	247	.0000
10	14.75	34.290								10	14.75	34.290		25.50	249	249	.0248
20	14.82	34.300								20	14.82	34.300		25.49	250	250	.0498
30	14.81	34.270								30	14.81	34.270		25.47	252	252	.0750
50	14.82	34.290								50	14.82	34.290		25.48	251	252	.1255
75	14.78	34.320								75	14.78	34.320		25.51	247	249	.1882
95	14.79	34.270															
KOREA	,TAE BAEK SAN	, STATION 314-06 , 33-000. N, 126-120. E, APR.18.1979, 05.10 KST, DEPTH 110 , COLOR , TRANS. . ,															
WAVE	, SWELL	, WIND , BARO 1015. , AIR TEMP. DRY 12.0, WET . , CLOUD. TYPE , AMT , WEATHER ,															
0	14.24	34.350								0	14.24	34.350		25.65	234	234	.0000
10	14.28	34.400								10	14.28	34.400		25.68	231	231	.0233
20	14.30	34.360								20	14.30	34.360		25.65	235	235	.0467
30	14.31	34.410								30	14.31	34.410		25.68	231	232	.0701
50	14.31	34.350								50	14.31	34.350		25.64	236	237	.1170
75	14.35	34.350								75	14.35	34.350		25.63	237	238	.1765
100	14.22	34.340															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 314-07 , 33-000. N, 125-540. E, APR.18.1979, 03.30 KST, DEPTH 90 , COLOR . , TRANS. . ,

WAVE , SWELL , WIND , BARO 101%. , AIR TEMP. DRY 12.0, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	14.30	34.370						0	14.30	34.370	25.66	234	234	.0000
10	14.50	34.370						10	14.50	34.370	25.61	238	238	.0236
20	14.50	34.380						20	14.50	34.380	25.62	237	238	.0475
30	14.50	34.360						30	14.50	34.360	25.61	239	239	.0714
0	14.40	34.370						50	14.40	34.370	25.64	236	237	.1191
75	14.10	34.360						75	14.10	34.360	25.69	231	232	.1779
85	14.45	34.350												

KOREA ,TAE BAEK SAN , STATION 314-08 , 33-000. N, 125-360. E, APR.18.1979, 01.50 KST, DEPTH 90 , COLOR , TRANS. . ,

WAVE , SWELL , WIND , BARO 101%. , AIR TEMP. DRY 12.0, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	14.10	34.310						0	14.10	34.310	25.65	234	234	.0000
10	14.05	34.320						10	14.05	34.320	25.67	233	233	.0234
20	14.11	34.320						20	14.11	34.320	25.66	234	234	.0468
30	14.05	34.310						30	14.05	34.310	25.66	233	234	.0702
50	14.20	34.310						50	14.20	34.310	25.63	236	237	.1175
75	14.05	34.340						75	14.08	34.340	25.69	231	233	.1764
85	14.10	34.330												

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA T	D-T	SVA	D DY
KOREA , TAE BAEK SAN , STATION 314-09 , 33-000. N, 125-180. E, APR.18.1979, 00.10 KST, DEPTH 80 , COLOR , TRANS. , ,																	
WAVE , SWELL , WIND , BARO 1013. , AIR TEMP. DRY 12.0, WET , , CLOUD. TYPE , AMT , WEATHER ,																	
0	13.20	34.050								0	13.20	34.050		25.64	236	236	.0000
10	13.20	34.020								10	13.20	34.020		25.61	238	238	.0237
20	13.25	34.000								20	13.25	34.000		25.59	241	241	.0477
30	13.30	34.020								30	13.30	34.020		25.59	240	240	.0716
50	13.25	34.050								50	13.25	34.050		25.63	237	238	.1198
75	13.33	34.020															
KOREA , TAE BAEK SAN , STATION 314-10 , 33-000. N, 125-000. E, APR.17.1979, 20.30 KST, DEPTH 75 , COLOR , TRANS. , ,																	
WAVE , SWELL , WIND , BARO 1013. , AIR TEMP. DRY 12.0, WET , , CLOUD. TYPE , AMT , WEATHER ,																	
0	12.90	33.890								0	12.90	33.890		25.57	242	242	.0000
10	12.93	33.890								10	12.93	33.890		25.74	226	226	.0234
20	13.10	33.900								20	13.10	33.900		25.54	245	245	.0470
30	13.10	33.900								30	13.10	33.900		25.54	245	245	.0716
50	13.05	33.930								50	13.05	33.930		25.57	242	243	.1206
75	12.13	33.930															

OBSERVED									INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

6 월 (June)

KOREA ,TAE BAEK SAN , STATION 314-00 , 33-000. N, 128-000. E, JUN. 7.1979, 20.20 KST, DEPTH 160 , COLOR , TRANS. . ,

WAVE 4, SWELL 2, WIND SW 5, BARO 996. , AIR TEMP. DRY 20.5, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	21.20	34.080							0	21.20	34.080		23.76	415	414	.0000
10	21.54	34.080							10	21.54	34.080		23.67	423	423	.0419
20	21.41	34.210							20	21.41	34.210		23.80	411	411	.0837
30	18.41	34.060							30	18.41	34.060		24.47	347	347	.1217
50	18.75	34.070							50	18.75	34.070		24.39	354	355	.1923
75	17.32	34.090							75	17.32	34.090		24.76	319	321	.2768
100	17.56	34.030							100	17.56	34.030		24.66	329	332	.3585
125	14.02	34.040							125	14.02	34.040		25.46	253	256	.4321
150	14.25	34.170														

KOREA ,TAE BAEK SAN , STATION 314-01 , 33-000. N, 127-420. E, JUN. 7.1979, 22.10 KST, DEPTH 140 , COLOR , TRANS. . ,

WAVE 4, SWELL 2, WIND SW 5, BARO 997. , AIR TEMP. DRY 19.8, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	20.90	33.910							0	20.90	33.910		23.71	419	419	.0000
10	21.10	33.870							10	21.10	33.870		23.63	427	427	.0424
20	20.57	34.120							20	20.57	34.120		23.96	395	396	.0836
30	18.73	34.250							30	18.73	34.250		24.54	341	341	.1205
50	18.10	34.390							50	18.10	34.390		24.80	316	317	.1864
75	17.10	34.350							75	17.10	34.350		25.01	295	297	.2632
100	14.80	34.270							100	14.80	34.270		25.47	252	254	.3323
125	14.50	34.310							125	14.50	34.310		25.57	242	246	.3948
135	14.07	34.270														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,TAE BAEK SAN , STATION 314-02 , 33-000. N, 127-240. E, JUN. 8.1979, 00.00 KST, DEPTH 125 , COLOR , TRANS. , ,																	
WAVE 4, SWELL 2, WIND SW 5, BARO 997.5, AIR TEMP. DRY 19.8, WET , , CLOUD. TYPE , AMT , WEATHER ,																	
0	20.80	34.130								0	20.80	34.130		23.91	401	400	.0000
10	20.88	34.110								10	20.88	34.110		23.87	404	404	.0403
20	20.88	******								20	20.88	******		*****	***	***	******
30	18.21	34.220								30	18.21	34.220		24.64	330	331	******
50	17.47	34.400								50	17.47	34.400		24.96	300	301	******
75	14.34	34.300								75	14.34	34.300		25.59	240	242	******
100	14.22	34.220								100	14.22	34.220		25.56	243	246	******
120	14.17	34.270															
KOREA ,TAE BAEK SAN , STATION 314-03 , 33-000. N, 127-060. E, JUN. 8.1979, 01.50 KST, DEPTH 110 , COLOR , TRANS. , ,																	
WAVE 4, SWELL 2, WIND SW 5, BARO 997.6, AIR TEMP. DRY 18.8, WET , , CLOUD. TYPE , AMT , WEATHER ,																	
0	20.26	34.190								0	20.26	34.190		24.10	383	382	.0000
10	20.27	34.160								10	20.27	34.160		24.07	385	385	.0384
20	19.55	34.180								20	19.55	34.180		24.27	366	366	.0760
30	18.33	34.160								30	18.33	34.160		24.57	338	336	.1113
50	16.02	34.180								50	16.02	34.180		25.15	284	285	.1737
75	15.00	34.250								75	15.00	34.250		25.41	257	259	.2418
100	14.23	34.290															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 314-04 , 33-000. N, 126-480. E, JUN. 8.1979, 03.40 KST, DEPTH 100 , COLOR , TRANS. . ,

WAVE , SWELL , WIND SW 4, BARO 998. , AIR TEMP. DRY 17.6, WET . , CLOUD. TYPE CU, AMT 10, WEATHER C ,

0	18.37	34.040							0	18.37	34.040	24.47	347	347	.0000
10	18.36	34.030							10	18.36	34.030	24.46	348	348	.0348
20	18.17	34.140							20	18.17	34.140	24.59	335	336	.0690
30	16.80	34.060							30	16.80	34.060	24.86	310	310	.1014
50	16.40	34.100							50	16.40	34.100	24.98	298	299	.1624
75	15.61	34.150							75	15.61	34.150	25.20	277	279	.2348
95	15.31	34.180													

KOREA ,TAE BAEK SAN , STATION 314-05 , 33-000. N, 126-300. E, JUN. 8.1979, 05.30 KST, DEPTH 100 , COLOR , TRANS. . ,

WAVE , SWELL , WIND SW 4, BARO 998. , AIR TEMP. DRY 17.3, WET . , CLOUD. TYPE CU, AMT 10, WEATHER C ,

0	18.42	34.110							0	18.42	34.110	24.51	343	343	.0000
1	18.41	34.120							10	18.41	34.120	24.52	342	342	.0343
20	18.32	34.000							20	18.32	34.000	24.45	349	349	.0690
30	16.07	34.100							30	16.07	34.100	25.06	291	291	.1011
50	15.71	34.120							50	15.71	34.120	25.16	282	283	.1586
75	15.50	34.200							75	15.50	34.200	25.26	271	273	.2282
95	15.40	******													

OBSERVED									INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA ,TAE BAEK SAN , STATION 314-06 , 33-000. N, 126-120. E, JUN. 8.1979, 07.35 KST, DEPTH 110 , COLOR , TRANS. . ,																	
WAVE , SWELL , WIND W 5, BARO 999.5, AIR TEMP. DRY 18.4, WET . , CLOUD. TYPE CU, AMT 10, WEATHER C ,																	
0	18.00	34.080								0	18.00	34.080		24.59	336	335	.0000
10	17.76	34.110								10	17.76	34.110		24.67	328	328	.0332
20	17.59	34.120								20	17.59	34.120		24.72	323	324	.0658
30	14.98	34.190								30	14.98	34.190		25.37	261	262	.0952
50	14.64	34.250								50	14.64	34.250		25.49	250	251	.1465
75	14.36	34.260								75	14.36	34.260		25.56	243	245	.2086
100	14.32	34.250															
KOREA ,TAE BAEK SAN , STATION 314-07 , 33-000. N, 125-540. E, JUN. 8.1979, 09.20 KST, DEPTH 90 , COLOR 4 TRANS. 11. ,																	
WAVE 4, SWELL 2, WIND W 5, BARO 1000.5, AIR TEMP. DRY 20.3, WET . , CLOUD. TYPE CU, AMT 10, WEATHER C ,																	
0	18.42	34.170								0	18.42	34.170		24.55	339	339	.0000
10	18.31	34.190								10	18.31	34.190		24.60	335	335	.0337
20	17.89	34.210								20	17.89	34.210		24.71	324	324	.0667
30	16.30	34.240								30	16.30	34.240		25.11	286	286	.0973
50	16.03	34.210								50	16.03	34.210		25.15	282	283	.1543
75	14.71	34.270								75	14.71	34.270		25.49	250	251	.2213
85	14.32	34.260															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 314-08 , 33-000. N, 125-360. E, JUN. 8.1979, 11.10 KST, DEPTH 90 , COLOR 4, TRANS. 12. ,

WAVE 4, SWELL 2, WIND W 5, BARO 1001. , AIR TEMP. DRY 20.8, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	19.41	33.450								0	19.41	33.450		23.75	415	415	.0000
10	19.37	34.250								10	19.37	34.250		24.37	356	356	.0386
20	18.34	34.150								20	18.34	34.150		24.56	339	339	.0734
30	16.70	33.980								30	16.70	33.980		24.82	313	314	.1061
50	14.45	34.090								50	14.45	34.090		25.41	258	259	.1635
75	14.39	******								75	14.39	******		*****	***	***	******
85	14.35	******															

KOREA ,TAE BAEK SAN , STATION 314-09 , 33-000. N, 125-180. E, JUN. 8.1979, 12.50 KST, DEPTH 80 , COLOR 4, TRANS. 14. ,

WAVE 4, SWELL 2, WIND E 5, BARO 1001.5, AIR TEMP. DRY 22.1, WET . , CLOUD. TYPE AS, AMT 4, WEATHER BC,

0	19.27	32.880								0	19.27	32.880		23.36	453	453	.0000
10	18.80	32.890								10	18.80	32.890		23.48	441	441	.0447
20	16.60	33.610								20	16.60	33.610		24.56	338	338	.0838
30	15.47	33.840								30	15.47	33.840		24.99	297	298	.1156
50	14.15	34.000								50	14.15	34.000		25.40	258	259	.1714
75	14.34	34.060															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 314-10 , 33-000. N, 125-000. E, JUN. 8.1979, 14.30 KST, DEPTH 75 , COLOR 4, TRANS. 13. ,

WAVE , SWELL , WIND E 5, BARO 1001.5, AIR TEMP. DRY 25.7, WET . , CLOUD. TYPE AS, AMT 4, WEATHER BC,

0	19.47	32.560								0	19.47	32.560		23.06	481	481	.0000
10	18.82	32.580								10	18.82	32.580		23.24	464	464	.0473
20	17.55	33.470								20	17.55	33.470		24.23	370	370	.0891
30	14.26	33.390								30	14.26	33.390		24.91	305	306	.1229
50	13.43	33.770								50	13.43	33.770		25.37	261	262	.1797
70	13.82	33.870															

8월 (August)

KOREA ,TAE BAEK SAN , STATION 314-00 , 33-000. N, 128-000. E, AUG. 9.1979, 19.40 KST. DEPTH 130 , COLOR , TRANS. . ,

WAVE E 2, SWELL E 1, WIND SE 3, BARO 1005. , AIR TEMP. DRY 28.8, WET . , CLOUD. TYPE CC, AMT 8, WEATHER C ,

0	29.80	32.220								0	29.80	32.220		19.73	800	800	.0000
10	28.91	33.590								10	28.91	33.590		21.06	673	673	.0737
20	23.41	34.230								20	23.41	34.230		23.25	463	465	.1306
30	21.12	34.210								30	21.12	34.210		23.88	403	404	.1740
50	18.19	33.870								50	18.19	33.870		24.38	355	357	.2501
75	17.38	34.010								75	17.38	34.010		24.68	327	328	.3359
100	16.65	34.240								100	16.65	34.240		25.03	293	296	.4141
125	15.54	33.770															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 314-01 , 33-000. N, 127-420. E, AUG. 9.1979, 21.20 KST, DEPTH 130 , COLOR , TRANS. . ,

WAVE E 1, SWELL E 1, WIND SE 2, BARO 1007. , AIR TEMP. DRY 28.5, WET . , CLOUD. TYPE CC, AMT 7, WEATHER C ,

0	29.70	31.990	0	29.70	31.990	19.60	814	813	.0000
10	28.39	31.810	10	28.39	31.810	19.90	785	785	.0800
20	25.85	32.850	20	25.85	32.850	21.48	632	633	.1509
30	23.25	33.950	30	23.25	33.950	23.09	479	480	.2065
50	19.34	33.900	50	19.34	33.900	24.11	381	382	.2928
75	15.64	33.920	75	15.64	33.920	25.02	295	297	.3777
100	15.45	34.000	100	15.45	34.000	25.12	285	287	.4508
125	14.48	33.940							

KOREA ,TAE BAEK SAN , STATION 314-02 , 33-000. N, 127-240. E, AUG. 9.1979, 23.00 KST, DEPTH 120 , COLOR , TRANS. . ,

WAVE E 1, SWELL E 1, WIND SE 2, BARO 1007. , AIR TEMP. DRY 28.3, WET . , CLOUD. TYPE CU, AMT 4, WEATHER BC,

0	28.00	31.080	0	28.00	31.080	19.48	825	825	.0000
10	24.67	31.530	10	24.67	31.530	20.85	693	693	.0760
20	22.71	32.440	20	22.71	32.440	22.10	573	574	.1394
30	18.84	33.590	30	18.84	33.590	24.01	391	392	.1877
50	17.84	33.970	50	17.84	33.970	24.54	340	341	.2611
75	15.92	34.020	75	15.92	34.020	25.03	293	295	.3408
100	15.35	34.090	100	15.35	34.090	25.21	276	279	.4126
115	15.27	34.030							

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	CVA	D-DY

KOREA ,TAE BAEK SAN , STATION 314-03 , 33-000. N, 127-060. E, AUG.10.1979, 00.40 KST, DEPTH 100 , COLOR , TRANS. . ,

WAVE E 1, SWELL E 1, WIND SE 2, BARO 1007. , AIR TEMP. DRY 28.2, WET . , CLOUD. TYPE CU, AMT 4, WEATHER BC,

0	28.20	30.100								0	28.20	30.100		18.66	902	902	.0000
10	25.57	31.490								10	25.57	31.490		20.55	722	722	.0812
20	23.21	32.360								20	23.21	32.360		21.90	593	593	.1471
30	20.05	33.050								30	20.05	33.050		23.28	460	461	.1998
50	17.84	33.690								50	17.84	33.690		24.33	360	362	.2821
75	16.48	33.900								75	16.48	33.900		24.81	314	316	.3669
95	15.50	34.020															

KOREA ,TAE BAEK SAN , STATION 314-04 , 33-000. N, 126-480. E, AUG.10.1979, 02.20 KST, DEPTH 95 , COLOR , TRANS. . ,

WAVE E 1, SWELL E 1, WIND SE 2, BARO 1008. , AIR TEMP. DRY .0, WET . , CLOUD. TYPE CU, AMT 4, WEATHER BC,

0	28.02	30.990								0	28.02	30.990		19.40	832	832	.0000
10	18.85	32.890								10	18.85	32.890		23.47	442	442	.0638
20	14.69	33.240								20	14.69	33.240		24.70	325	325	.1022
30	13.85	33.260								30	13.85	33.260		24.90	306	307	.1338
50	13.97	33.530								50	13.97	33.530		25.08	289	290	.1936
75	13.94	33.700								75	13.94	33.700		25.22	276	278	.2647
90	13.99	33.670															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 314-05 , 33-000. N, 126-300. E, AUG.10.1979, 04.00 KST, DEPTH 100 , COLOR , TRANS. . ,

WAVE E 1, SWELL E 1, WIND SE 2, BARO 1007. , AIR TEMP. DRY 27.4, WET . , CLOUD. TYPE CU, AMT 4, WEATHER BC,

0	27.38	30.760							0	27.88	30.760	19.28	844	844	.0000
10	24.55	31.500							10	24.55	31.500	20.86	692	692	.0769
20	18.34	33.710							20	18.34	33.710	24.22	371	371	.1301
30	17.40	33.940							30	17.40	33.940	24.63	332	333	.1655
50	15.75	33.600							50	15.75	33.600	24.75	320	322	.2308
75	14.42	33.560							75	14.42	33.560	25.01	296	297	.3083
95	13.76	33.530													

KOREA ,TAE BAEK SAN , STATION 314-06 , 33-000. N, 126-120. E, AUG.10.1979, 05.40 KST, DEPTH 110 , COLOR , TRANS. . ,

WAVE E 1, SWELL , WIND SE 2, BARO 1007. , AIR TEMP. DRY 28.0, WET . , CLOUD. TYPE AS, AMT 8, WEATHER C ,

0	28.18	30.760							0	28.18	30.760	19.18	854	853	.0000
10	26.24	31.080							10	26.24	31.080	20.03	772	772	.0813
20	23.91	31.960							20	23.91	31.960	21.39	641	641	.1520
30	17.74	32.610							30	17.74	32.610	23.53	437	437	.2060
50	15.32	33.530							50	15.32	33.580	24.83	313	314	.2812
75	14.44	33.580							75	14.44	33.580	25.02	295	296	.3576
100	14.03	33.660													

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 314-07 , 33-000. N, 125-540. E, AUG.10.1979, 08.00 KST, DEPTH 95 , COLOR 4, TRANS. 16. ,

WAVE E 1, SWELL E 1, WIND SE 2, BARO 1008. , AIR TEMP. DRY 27.6, WET . , CLOUD. TYPE AS, AMT 6, WEATHER BC,

0	28.16	31.100								0	28.16	31.100		19.44	829	828	.0000
10	27.09	33.740								10	27.09	33.740		21.76	606	606	.0717
20	20.05	34.340								20	20.05	34.340		24.27	366	367	.1204
30	18.99	34.220								30	18.99	34.220		24.45	349	350	.1563
50	16.24	33.820								50	16.24	33.820		24.81	315	316	.2230
75	13.78	33.600								75	13.78	33.600		25.17	280	282	.2973
90	13.75	33.610															

KOREA ,TAE BAEK SAN , STATION 314-08 , 33-000. N, 125-360. E, AUG.10.1979, 09.40 KST, DEPTH 90 , COLOR 4, TRANS. 16. ,

WAVE E 1, SWELL E 1, WIND SE 2, BARO 1008. , AIR TEMP. DRY 29.3, WET . , CLOUD. TYPE AC, AMT 4, WEATHER BC,

0	28.51	30.630								0	28.51	30.680		19.01	870	870	.0000
10	24.90	******								10	24.90	******		*****	***	***	******
20	13.16	32.520								20	13.16	32.520		24.46	348	348	******
30	13.58	33.220								30	13.58	33.220		24.92	304	305	******
50	14.31	33.820								50	14.31	33.820		25.23	275	276	******
75	14.25	33.860								75	14.25	33.860		25.27	270	272	******
85	14.24	******															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 314-09 , 33-000. N, 125-180. E, AUG.10.1979, 11.40 KST, DEPTH 80 , COLOR 4, TRANS. 14. ,

WAVE E 1, SWELL E 1, WIND SE 2, BARO 1003. , AIR TEMP. DRY 30.0, WET . , CLOUD. TYPE CC, AMT 2, WEATHER B ,

0	28.20	30.410							0	28.20	30.410	18.91	880	879	.0000
10	24.53	32.390							10	24.53	32.390	21.54	627	627	.0754
20	13.77	33.430							20	13.77	33.430	25.04	292	293	.1214
30	13.97	33.750							30	13.97	33.750	25.25	273	273	.1498
50	13.90	33.780							50	13.90	33.780	25.29	269	270	.2042
75	13.98	33.780													

KOREA ,TAE BAEK SAN , STATION 314-10 , 33-000. N, 125-000. E, AUG.10.1979, 13.00 KST, DEPTH 75 , COLOR 4, TRANS. 14. ,

WAVE E 1, SWELL , WIND SE 2, BARO 1007. , AIR TEMP. DRY 30.6, WET . , CLOUD. TYPE CC, AMT 2, WEATHER B ,

0	28.47	31.110							0	28.47	31.110	19.35	838	83.	.0000
10	25.34	30.990							10	25.34	30.990	20.24	752	752	.0795
20	15.70	32.330							20	15.70	32.330	23.79	412	412	.1376
30	13.37	32.950							30	13.37	32.950	24.75	320	320	.1744
50	13.73	33.670							50	13.73	33.670	25.24	274	275	.2341
70	13.82	33.731													

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TMP	SAL	02	P	TOTAL-P	NO2 N	NO3 N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
	23.09	33.310									23.09	33.310		22.68	518	518	.0000
10	23.25	33.400								10	23.25	33.400		22.67	519	519	.0519
20	23.23	33.600								20	23.23	33.600		22.81	505	505	.1031
30	23.29	33.700								30	23.29	33.700		22.89	498	499	.1534
50	23.23	33.740								50	23.23	33.740		22.92	495	496	.2529
75	23.30	33.810								75	23.30	33.810		22.97	490	492	.3766
100	23.33	33.9								100	23.33	33.9		23.04	483	486	.4991
125	23.20	34.0										34.070		23.19	469	473	.6191
135	23.15	34.1															

KOREA , TAE [illegible] SAN , STATION [illegible] , [illegible] , [illegible] , OCT.24.1979, 01.40 KST, DEPTH 140 , COLOR , TRANS. , ,

WAVE , SWELL , WIND SE 4, BARO 1012.5, [illegible] , [illegible] , TYPE , AMT , WEATHER ,

0	23.30	33.480									23.30	33.480		22.57	528	528	.0000
10	23.34	33.660								10	23.34	33.660		22.70	516	516	.0522
20	23.32	33.790								20	23.32	33.790		22.80	506	507	.1034
30	23.27	33.850								30	23.27	33.850		22.84	503	503	.1540
50	23.06	33.930								50	23.06	33.930		22.93	494	495	.2539
75	23.20	33.990								75	23.20	33.990		22.95	492	494	.3777
100	23.65	34.020								100	23.65	34.020		23.02	485	486	.5005
125	23.61	34.110								125	23.61	34.110		23.10	477	481	.6217
133	23.6	34.1															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 314-02 , 33-00. N, 127-40. E, OCT.23.1979, 23.50 KST, DEPTH 125 , COLOR , TRANS. , ,

WAVE , SWELL , WIND SW 3, PAPO 1019.5, AIR TEMP. DRY 19.0, WET , , CLOUD. TYPE , AMT , WEATHER ,

0	24.02	33.510	0	24.02	33.510	22.53	532	532	.0000
10	24.04	33.530	10	24.04	33.530	22.54	531	531	.0532
20	24.06	33.510	20	24.06	33.510	22.52	533	534	.1065
30	24.09	33.720	30	24.09	33.720	22.67	519	520	.159.
50	24.11	33.880	50	24.11	33.880	22.78	508	509	.2622
75	24.05	33.980	75	24.05	33.980	22.88	499	501	.3886
100	24.10	34.110	100	24.10	34.110	22.96	491	494	.5131
120	18.00	34.150							

KOREA ,TAE BAEK SAN , STATION 314-03 , 33-00. N, 127-00. E, OCT.23.1979, 22.00 KST, DEPTH 110 , COLOR , TRANS. , ,

WAVE , SWELL , WIND SW 3, PAPO 1019.2, AIR TEMP. DRY 19.0, WET , , CLOUD. TYPE , AMT , WEATHER ,

0	23.90	33.910	0	23.90	33.910	22.87	500	500	.0000
10	23.92	33.960	10	23.92	33.960	22.90	497	497	.0499
20	23.94	33.960	20	23.94	33.960	22.89	497	498	.0996
30	23.98	33.960	30	23.98	33.960	22.88	498	499	.1495
50	23.90	34.070	50	23.90	34.070	22.99	488	490	.2485
75	20.95	34.100	75	20.95	34.100	23.84	407	409	.3609
100	17.55	34.190							

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA ,TAE BAEK SAN , STATION 314-04 , 33-000. N, 126-[illegible]. E, OCT.23.1979, 20.10 KST, DEPTH 100 , COLOR , TRANS. , ,																	
WAVE , SWELL , WIND SW 3, BARO 1019.5, AIR TEMP. DRY 19.0, WET , , CLOUD. TYPE , AMT , WEATHER ,																	
0	23.30	33.810								0	23.30	33.810		22.97	490	490	.0000
10	23.36	33.820								10	23.36	33.820		22.96	491	491	.0491
20	23.30	33.840								20	23.30	35.840		22.99	488	489	.0982
30	23.36	33.930								30	23.36	33.930		23.04	483	484	.1468
50	23.46	34.000								50	23.46	34.000		23.06	481	482	.2436
75	19.50	34.040								75	19.50	34.040		24.18	375	377	.3511
95	16.97	34.126															
KOREA ,TAE BAEK SAN , STATION 314-05 , 33-000. N, 126-300. E, OCT.23.1979, 18.20 KST, DEPTH 100 , COLOR , TRANS. , ,																	
WAVE SWELL , WIND SW 3, BARO 1019.5, AIR TEMP. DRY 19.2, WET , , CLOUD. TYPE , AMT , WEATHER ,																	
0	23.32	33.810								0	23.32	33.810		22.96	491	491	.0000
10	23.48	33.880								10	23.48	33.880		22.97	490	490	.0491
20	23.40	33.920								20	23.40	33.920		23.02	485	485	.0979
30	23.36	34.000								30	23.36	34.000		23.09	478	479	.1462
50	22.50	34.040								50	22.50	34.040		23.37	452	453	.2395
75	23.18	34.170								75	23.18	34.170		23.27	461	463	.3542
95	23.30	34.130															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 314-06 , 33-000. N, 126-120. E, OCT.23.1979, 14.40 KST, DEPTH 110 , COLOR 3, TRANS. 13. ,

WAVE 1, SWELL 1, WIND S 3, BARO 1019.5, AIR TEMP. DRY 22.2, WET . , CLOUD. TYPE AS, AMT 5, WEATHER BC,

0	23.27	33.860							0	23.27	33.860	23.01	486	486	.0000
10	23.24	33.860							10	23.24	33.860	23.02	485	485	.0486
20	23.15	33.990							20	23.15	33.990	23.15	473	474	.0966
30	23.03	34.040							30	23.03	34.040	23.22	466	467	.1434
50	22.40	34.120							50	22.40	34.120	23.46	443	445	.2349
75	22.23	34.180							75	22.23	34.180	23.55	434	437	.3452
100	21.94	34.190													

KOREA ,TAE BAEK SAN , STATION 314-07 , 33-000. N, 125-540. E, OCT.23.1979, 12.50 KST, DEPTH 90 , COLOR 3, TRANS. 16. ,

WAVE 1, SWELL 1, WIND SE 3, BARO 1021. , AIR TEMP. DRY 24.3, WET . , CLOUD. TYPE AS, AMT 5, WEATHER BC,

0	23.31	33.850							0	23.31	33.850	22.99	488	487	.0000
10	23.22	33.840							10	23.22	33.840	23.01	486	486	.0487
20	23.25	33.850							20	23.25	33.850	23.01	486	486	.0974
30	23.12	33.830							30	23.12	33.830	23.03	484	485	.1460
50	22.79	34.010							50	22.79	34.010	23.26	462	463	.2409
75	22.58	34.080							75	22.58	34.080	23.38	451	453	.3556
85	21.51	34.150													

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D DT

[illegible] ,TA[illegible] SA[illegible] , STATION 314-0[illegible] , [illegible]0. N, 12[illegible]. [illegible], OCT.[illegible], [illegible], DEPTH [illegible] , COLOR 3, TRANS. 15. ,

WAVE 1, SWELL 1, WIND SE 3, BARO 1021. , AIR TEMP. DRY 22.2, WET . , CLOUD. TYPE AS, AMT 4, WEATHER BC,

0	[illegible]	[illegible]	0	[illegible]	[illegible]	23.02	485	485	.0000
10	23.20	33.840	10	23.20	33.880	23.05	483	483	.0484
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	484	484	.0968
30	23.20	33.860	30	23.20	33.860	23.03	484	485	.145*
50	23.06	33.870	50	23.06	33.870	23.08	479	481	.2419
75	20.21	34.020	75	20.21	34.020	[illegible]	394	396	.3516
[illegible]	17.[illegible]	[illegible]							

[illegible] ,TA[illegible] SA[illegible] , STATION 314-02 , 33-000. N, 125-1[illegible]. [illegible], OCT.23.1979, 09.16 PST, DEPTH 80 , COLOR 3, TRANS. 12. ,

WAVE 1, SWELL 1, WIND SW 3, BARO 1021. , AIR TEMP. DRY 18.9, WET . , CLOUD. TYPE AS, AMT 4, WEATHER BC,

0	23.00	33.860	0	23.00	33.860	23.08	480	480	.0000
10	23.05	33.870	10	23.05	33.870	23.08	479	479	.0480
20	23.07	33.850	20	23.07	33.850	23.06	481	481	.0961
30	23.00	33.830	30	23.00	33.830	23.07	481	481	.1443
50	22.85	34.010	50	22.85	34.010	23.25	464	465	.2390
75	22.66	34.040							

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 314-10 , 33-000. N, 125-000. E, OCT.23.1979, 07.20 KST, DEPTH 75 , COLOR , TRANS. , ,

WAVE 2, SWELL 2, WIND SW 3, BARO 1021. , AIR TEMP. DRY 15.5, WET , , CLOUD. TYPE AS, AMT 8, WEATHER C ,

0	21.56	33.860	0	21.56	33.860	23.50	440	440	.0000
10	21.61	33.720	10	21.61	33.720	23.38	451	451	.0446
20	21.61	33.710	20	21.61	33.710	23.37	452	452	.0898
30	21.63	33.710	30	21.63	33.710	23.36	453	453	.1352
50	21.48	33.720	50	21.48	33.720	23.41	448	449	.2255
75	21.43	33.670							

12 월 (Decembe.)

KOREA ,TAE BAEK SAN , STATION 314-00 , 33-000. N, 128-000. E, DEC.15.1979, 18.50 KST, DEPTH 160 , COLOR , TRANS. , ,

WAVE 4, SWELL 2, WIND NW 5, BARO 1022. , AIR TEMP. DRY 10.3, WET , , CLOUD. TYPE , AMT , WEATHER BC,

0	19.32	34.580	0	19.32	34.580	24.64	331	331	.0000
10	19.89	34.570	10	19.89	34.570	24.48	346	346	.0339
20	19.91	34.560	20	19.91	34.560	24.47	347	347	.0686
30	19.92	34.570	30	19.92	34.570	24.47	347	347	.1033
50	19.94	34.560	50	19.94	34.560	24.46	348	349	.1731
75	19.95	34.560	75	19.95	34.560	24.46	348	350	.2606
100	19.91	34.560	100	19.91	34.560	24.47	347	350	.3482
125	19.95	34.590	125	19.95	34.590	24.48	346	349	.4357
150	19.88	34.530							

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D T	SVA	D DY
KOREA ,TAE BAEK SAN , STATION 314-01 , 33-000. N, 127-420. E, DEC.15.1979, 17.10 KST, DEPTH 140 , COLOR 3, TRANS. 1S. ,																	
WAVE 4, SWELL 2, WIND NW 5, BARO 1022. , AIR TEMP. DRY 10.5, WET . , CLOUD. TYPE AS, AMT 3, WEATHER BC,																	
0	19.83	34.580								0	19.83	34.580		24.51	344	343	0.000
10	19.99	34.580								10	19.99	34.580		24.46	346	346	.0344
20	19.81	34.580								20	19.81	34.580		24.53	343	343	.0682
30	19.92	34.600								30	19.92	34.600		24.50	344	345	.1037
50	19.98	34.580								50	19.98	34.580		24.47	347	349	.1731
75	20.01	34.580								75	20.01	34.580		24.46	348	350	.2596
100	20.00	34.570								100	20.00	34.570		24.45	349	351	.3464
125	20.00	34.570								125	20.00	34.570		24.45	349	352	.4330
135	19.81	34.600															
KOREA ,TAE BAEK SAN , STATION 314-02 , 33-000. N, 127-240. E, DEC.15.1979, 15.30 KST, DEPTH 125 , COLOR 3, TRANS. 1S. ,																	
WAVE 4, SWELL 2, WIND NW 5, BARO 1022. , AIR TEMP. DRY 11.6, WET . , CLOUD. TYPE AC, AMT 3, WEATHER BC,																	
0	19.60	34.600								0	19.60	34.600		24.58	336	336	.0000
10	19.87	34.580								10	19.87	34.580		24.52	342	342	.0340
20	19.87	34.260								20	19.87	34.260		24.25	368	368	.0675
30	19.95	34.570								30	19.95	34.570		24.47	347	348	.1054
50	19.90	34.590								50	19.90	34.590		24.50	345	346	.1748
75	19.92	34.580								75	19.92	34.580		24.48	346	346	.2617
100	19.92	34.580								100	19.92	34.580		24.48	346	347	.3484
120	19.90	34.570															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 314-03 , 33-000. N, 127-060. E, DEC.15.1979, 13.50 KST, DEPTH 110 , COLOR 3, TRANS. 15. ,
WAVE 4, SWELL 2, WIND NE 5, BARO 1023. , AIR TEMP. DRY 13.1, WET . , CLOUD. TYPE AC, AMT 5, WEATHER BC,

0	19.77	34.590								0	19.77	34.590		24.53	341	341	.0000
10	19.80	34.590								10	19.80	34.590		24.52	342	342	.0342
20	19.81	34.580								20	19.81	34.580		24.51	343	345	.0685
30	19.84	34.580								30	19.84	34.580		24.50	344	344	.1030
50	19.82	34.580								50	19.82	34.580		24.51	343	345	.1720
75	19.78	34.580								75	19.78	34.580		24.52	342	344	.2582
100	19.78	34.580															

KOREA ,TAE BAEK SAN , STATION 314-04 , 33-000. N, 126-480. E, DEC.15.1979, 12.10 KST, DEPTH 100 , COLOR 3, TRANS. 15. ,
WAVE 4, SWELL 2, WIND NE 5, BARO 1023. , AIR TEMP. DRY 13.0, WET . , CLOUD. TYPE AC, AMT 5, WEATHER BC,

0	19.73	34.520								0	19.73	34.520		24.49	345	345	.0000
	19.82	34.520								10	19.82	34.520		24.46	348	348	.0347
20	19.85	34.510								20	19.85	34.510		24.45	349	349	.0696
30	19.77	34.510								30	19.77	34.510		24.47	347	348	.1045
50	19.85	34.520								50	19.85	34.520		24.45	348	350	.1743
75	19.93	34.510								75	19.93	34.510		24.43	351	353	.2623
95	19.94	34.510															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2 N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D T	SVA	D DY

KOREA ,TAE BAEK SAN , STATION 314-05 , 33-000. N, 126-300. E, DEC.15.1979, 10.30 KST, DEPTH 100 , COLOR 3, TRANS. 12. ,

WAVE 4, SWELL 2, WIND NW 4, BARO 1024. , AIR TEMP. DRY 12.2, WET . , CLOUD. TYPE AC, AMT 2, WEATHER B ,

0	19.25	34.530							0	19.25	34.530	24.62	333	333	.0000
10	19.43	34.540							10	19.43	34.540	24.58	337	337	.0335
20	19.50	34.540							20	19.50	34.540	24.56	338	339	.0673
30	19.52	34.540							30	19.52	34.540	24.56	339	339	.1013
50	19.56	34.530							50	19.54	34.530	24.54	340	342	.1695
75	19.53	34.530							75	19.53	34.530	24.55	340	342	.2551
95	19.52	34.530													

KOREA ,TAE BAEK SAN , STATION 314-06 , 33-000. N, 126-120. E, DEC.14.1979, 12.10 KST, DEPTH 110 , COLOR 4, TRANS. 15. ,

WAVE 4, SWELL 2, WIND NW 6, BARO 1023. , AIR TEMP. DRY 11.5, WET . , CLOUD. TYPE AC, AMT 3, WEATHER BC,

0	18.34	34.550							0	18.34	34.550	24.86	310	309	.0000
10	18.42	34.560							10	18.42	34.560	24.85	311	311	.0310
20	18.47	34.560							20	18.47	34.560	24.84	312	312	.0622
30	18.46	34.560							30	18.46	34.560	24.84	312	312	.0935
50	18.52	34.550							50	18.52	34.550	24.82	314	315	.1564
75	18.41	34.550							75	18.41	34.550	24.85	311	313	.2350
100	18.43	34.570													

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 314-07 , 33-000. N, 125-540. E, DEC.14.1979, 13.50 KST, DEPTH 90 , COLOR 4, TRANS. 15. ,
WAVE 4, SWELL 2, WIND NW 6, BARO 1023. , AIR TEMP. DRY 11.8, WET . , CLOUD. TYPE AC, AMT 3, WEATHER BC,

0	18.70	34.560								0	18.70	34.560		24.78	317	317	.0000
10	18.72	34.550								10	18.72	34.550		24.77	319	319	.0318
20	18.78	34.540								20	18.78	34.540		24.74	321	321	.0639
30	18.79	34.540								30	18.79	34.540		24.74	321	322	.0961
50	18.79	34.550								50	18.79	34.550		24.75	320	322	.1605
75	18.79	******								75	18.79	******		*****	***	***	******
85	18.82	******															

KOREA ,TAE BAEK SAN , STATION 314-03 , 33-000. N, 125-360. E, DEC.14.1979, 15.30 KST, DEPTH 90 , COLOR 4, TRANS. 13. ,
WAVE 4, SWELL 2, WIND NW 6, BARO 1022. , AIR TEMP. DRY 11.8, WET . , CLOUD. TYPE AS, AMT 7, WEATHER BC,

0	18.32	34.510								0	18.32	34.510		24.84	312	312	.0000
10	18.39	34.490								10	18.39	34.490		24.80	315	315	.0314
20	18.41	34.490								20	18.41	34.490		24.80	316	316	.0630
30	18.40	34.490								30	18.40	34.490		24.80	315	316	.0946
50	18.43	34.490								50	18.43	34.490		24.79	316	317	.1580
75	18.45	34.490								75	18.45	34.490		24.79	317	319	.2376
85	18.47	34.500															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 314-09 , 33-000. N, 125-180. E, DEC.14.1979, 17.10 KST, DEPTH 80 , COLOR , TRANS. . ,

WAVE 4, SWELL 2, WIND NW 6, BARO 1024. , AIR TEMP. DRY 11.6, WET . , CLOUD. TYPE AS, AMT 9, WEATHER C ,

0	18.46	34.020								0	18.46	34.020		24.43	351	351	.0000
10	18.53	34.560								10	18.53	34.560		24.82	313	313	.0332
20	18.60	34.500								20	18.60	34.500		24.76	319	320	.0649
30	18.60	34.510								30	18.60	34.510		24.77	319	319	.0969
50	18.60	34.500								50	18.60	34.500		24.76	319	321	.1610
75	18.63	34.490															

KOREA ,TAE BAEK SAN , STATION 314-10 , 33-000. N, 125-000. E, DEC.14.1979, 18.50 KST, DEPTH 75 , COLOR , TRANS. . ,

WAVE 4, SWELL 2, WIND NW 6, BARO 1024. , AIR TEMP. DRY 11.2, WET . , CLOUD. TYPE , AMT , WEATHER BC,

0	18.18	34.470								0	18.18	34.470		24.84	312	311	.0000
10	18.27	34.470								10	18.27	34.470		24.82	314	314	.0313
20	18.25	34.470								20	18.25	34.470		24.82	313	314	.0627
30	18.29	34.490								30	18.29	34.490		24.83	313	313	.0941
50	18.27	34.470								50	18.27	34.470		24.82	314	315	.1570
70	18.30	34.500															

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OCEANOGRAPHIC DATA : WESTERN WATERS

1 9 7 9

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA T	D-T	SVA	D DY

2 월 (February)

KOREA ,HAN RA SAN , STATION 307-03 , 36-56.5. N, 126-00.0. E, FEB.12.1979, 10.40 KST, DEPTH 37 , COLOR 7, TRANS. 4.

WAVE 1, SWELL 2, WIND SW 4, BARO 1026.5, AIR TEMP. DRY 7.0, WET . , CLOUD. TYPE CI, AMT 2, WEATHER B ,

0	5.71	32.500					0	5.71	32.500	25.64	236	236	.0000
10	5.85	32.520					10	5.85	32.520	25.64	236	236	.0236
20	5.70	32.500					20	5.70	32.500	25.64	236	236	.0472
35	5.71	32.500											

KOREA ,HAN RA SAN , STATION 307-04 , 36-55. N, 125-27.7. E, FEB.12.1979, 13.20 KST, DEPTH 54 , COLOR 7, TRANS. 4. ,

WAVE 2, SWELL 1, WIND SW 2, BARO 1025. , AIR TEMP. DRY 7.0, WET . , CLOUD. TYPE CI. AMT 1, WEATHER B ,

0	5.90	32.590					0	5.90	32.590	25.69	231	231	.0000
10	5.94	32.600					10	5.94	32.600	25.69	231	231	.0231
20	6.05	32.610					20	6.05	32.610	25.68	232	232	.0463
50	6.05	.											

KOREA ,HAN RA SAN , STATION 307-05 , 36-5.5. N, 125-.5.0. E, FEB.12.1979, 15.00 KST, DEPTH 55 , COLOR 6, TRANS. 4. ,

WAVE 1, SWELL 2, WIND SW 2, BARO 1025.2, AIR TEMP. DRY 8.0, WET . , CLOUD. TYPE CI, AMT 2, WEATHER B ,

0	5.54	32.530					0	5.54	32.530	25.65	235	235	.0000
10	5.55	32.580					10	5.55	32.580	25.72	228	228	.0232
20	5.52	32.520					20	5.52	32.520	25.68	232	232	.0462
30	5.42	32.580					30	5.42	32.580	25.73	227	227	.0692
50	5.46	32.580											

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA T	D-T	SVA	D-DY
KOREA ,HAN RA SAN , STATION 307-06 , 36-555. N, 125-1[illegible]. E, FEB.12.1979, 16.45 KST, DEPTH 60 , COLOR 6, TRANS. 4. ,																	
WAVE 3, SWELL 2, WIND E 2, BARO 1025. , AIR TEMP. DRY 8.5, WET . , CLOUD. TYPE CI, AMT 2, WEATHER B ,																	
0	6.27	32.520								0	6.27	32.520		25.58	241	241	.0000
10	[illegible]	[illegible]								10	[illegible]	[illegible]		25.57	243	242	.0242
20	5.65	32.550								20	5.65	32.550		25.68	231	231	.0479
30	5.95	32.570								30	5.95	32.570		25.66	233	233	.0712
50	[illegible]	[illegible]								50	6.00	32.590		25.67	232	233	.1179
5[illegible]	[illegible]	[illegible]															
KOREA ,HAN RA SAN , STATION 307-07 , 36-555. N, 125-000. E, FEB.12.1979, 18.30 KST, DEPTH 58 , COLOR , TRANS. . ,																	
WAVE 2, SWELL 2, WIND E 3, BARO 1024.2, AIR TEMP. DRY 8.2, WET . , CLOUD. TYPE AC, AMT 4, WEATHER E ,																	
0	6.45	32.800								0	6.45	32.800		25.78	222	222	.0000
10	6.45	32.760								10	6.45	32.760		25.75	225	225	.0224
20	6.21	32.730								20	6.21	32.730		25.76	224	224	.0449
30	6.[illegible]	32.740								30	6.21	32.740		25.77	224	224	.0674
55	6.32	32.750															
KOREA ,HAN RA SAN , STATION 307-08 , 36-555. N, 124-47[illegible]. E, FEB.12.1979, 20.15 KST, DEPTH 6[illegible] , COLOR , TRANS. . ,																	
WAVE 2, SWELL 2, WIND SE 2, BARO 1023. , AIR TEMP. DRY 7.7, WET . , CLOUD. TYPE , AMT , WEATHER ,																	
0	6.90	32.780								0	6.90	32.780		25.71	229	229	.0000
10	6.88	32.780								10	6.88	32.780		25.71	229	229	.0229
20	6.65	32.810								20	6.65	32.810		25.76	224	224	.0456
30	6.63	32.800								30	6.63	32.800		25.76	224	224	.0681
50	6.75	32.830								50	6.75	32.830		25.77	224	224	.1130
60	[illegible]	32.810															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMS	[illegible]	SVA	D DY

KOREA ,HAN RA SAN , STATION 307-09 , 36-555. N, 124-343. E, FEB.12.1979, 22.00 KST, DEPTH 66 , COLOR . , TRANS. . ,

WAVE 2, SWELL 1, WIND SE 2, BARO 1021. , AIR TEMP. DRY 7.2, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	7.01	32.730	0	7.01	32.780	25.69	231	230	.0000
10	6.87	32.740	10	6.87	32.740	25.68	232	232	.0231
20	6.79	32.730	20	6.79	32.730	25.68	232	231	.0463
30	6.71	32.730	30	6.71	32.730	25.69	231	231	.0695
50	6.86	32.750	50	6.86	32.750	25.69	231	231	.1158
63	6.76	32.750							

KOREA ,HAN RA SAN , STATION 307-10 , 36-555. N, 124-223. E, FEB.13.1979, 23.45 KST, DEPTH 77 , COLOR , TRANS. . ,

WAVE 2, SWELL 1, WIND NE 2, BARO 1021.9, AIR TEMP. DRY 5.6, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	6.94	32.730	0	6.94	32.780	25.70	230	229	.0000
10	6.99	32.820	10	6.99	32.820	25.73	227	227	.0229
20	6.88	32.820	20	6.88	32.820	25.74	226	226	.0456
30	6.90	32.860	30	6.90	32.860	25.77	223	223	.0681
50	6.99	32.850	50	6.99	32.850	25.75	225	225	.1131
75	6.92	32.820							

4 월 (April)

KOREA ,HAN RA SAN , STATION 307-03 , 36-565. N, 126-000. E, APR. 6.1979, 15.00 KST, DEPTH 38 , COLOR 6, TRANS. 3.5,

WAVE 1, SWELL 1, WIND N 1, BARO 1025. , AIR TEMP. DRY 9.3, WET . , CLOUD. TYPE AS, AMT 8, WEATHER C ,

0	7.18	32.850	0	7.18	32.850	25.72	228	227	.0000
10	6.40	32.860	10	6.40	32.860	25.84	217	217	.0223
20	6.35	32.820	20	6.35	32.820	25.81	219	219	.0441
35	6.40	32.840							

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2 N	NO3-N	SI	PH	DEPTH	TEMP	SAL	OX	SIGMA-T	D-T	SVA	D-DY
KOREA ,HAN RA SAN , STATION 307-04 , 36-555. N, 125-377. E, APR. 6.1979, 17.20 KST, DEPTH 51 , COLOR 4, TRANS. 13. ,																	
WAVE 1, SWELL 1, WIND NNW 1, BARO 1025. , AIR TEMP. DRY 8.4, WET . , CLOUD. TYPE AS, AMT 9, WEATHER C ,																	
0	7.96	32.970								0	7.96	32.970		25.71	229	229	.0000
10	7.00	32.950								10	7.00	32.950		25.93	216	216	.0224
20	6.75	32.980								20	6.75	32.980		25.82	212	212	.0439
30	6.70	32.980															
KOREA ,HAN RA SAN , STATION 307-05 , 36-555. N, 125-250. E, APR. 6.1979, 19.00 KST, DEPTH 54 , COLOR , TRANS. . ,																	
WAVE 1, SWELL 1, WIND NW 2, BARO 1024.5, AIR TEMP. DRY 9.5, WET . , CLOUD. TYP , AMT , WEATHER ,																	
0	7.50	32.880								0	7.50	32.880		25.70	230	229	.0000
10	6.38	32.810								10	6.38	32.810		25.80	220	220	.0225
20	6.75	32.820								20	6.75	32.820		25.76	224	224	.0448
30	6.46	32.860								30	6.46	32.860		25.83	218	218	.0670
50	6.57	32.900															
KOREA ,HAN RA SAN , STATION 307-06 , 36-555. N, 125-125. E, APR. 6.1979, 20.45 KST, DEPTH 61 , COLOR , TRANS. . ,																	
WAVE 2, SWELL 1, WIND E 2, BARO 1023.5, AIR TEMP. DRY 10.0, WET . , CLOUD. TYPE , AMT , WEATHER ,																	
0	7.68	32.900								0	7.68	32.900		25.69	230	230	.0000
10	6.53	32.890								10	6.53	32.890		25.84	216	216	.0224
20	6.44	32.890								20	6.44	32.890		25.85	215	215	.0440
30	6.41	32.900								30	6.41	32.900		25.87	214	214	.0655
50	6.60	32.900								50	6.60	32.900		25.84	216	217	.1097

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA T	D-T	SVA	D-DY
KOREA ,HAN RA SAN , STATION 307-07 , 36-555. N, 125-000. E, APR. 6.1979, 22.30 KST, DEPTH 58 , COLOR , TRANS. , ,																	
WAVE 2, SWELL 1, WIND E 2, BARO 1023. , AIR TEMP. DRY 8.0, WET , , CLOUD. TYPE , AMT , WEATHER ,																	
0	7.95	33.150								0	7.95	33.150		25.85	216	215	.0000
10	7.20	33.160								10	7.20	33.160		25.97	205	205	.0210
20	6.92	33.170								20	6.92	33.170		26.01	200	200	.0413
30	6.83	33.160								30	6.83	33.160		26.02	200	200	.0614
55	6.90	33.160															
KOREA ,HAN RA SAN , STATION 307-03 , 36-555. N, 124-475. E, APR. 7.1979, 00.20 KST, DEPTH 63 , COLOR , TRANS. , ,																	
WAVE 2, SWELL 1, WIND E 2, BARO 1022.2, AIR TEMP. DRY 9.0, WET , , CLOUD. TYPE , AMT , WEATHER ,																	
0	7.73	33.200								0	7.73	33.200		25.92	209	208	.0000
10	7.27	33.200								10	7.27	33.200		25.99	203	202	.0206
20	6.83	33.190								20	6.83	33.180		26.05	198	198	.0407
30	6.82	33.160								30	6.82	33.160		26.04	200	200	.0607
50	6.80	33.170								50	6.80	33.170		26.03	199	199	.1007
60	6.80	33.170															
KOREA ,HAN RA SAN , STATION 307-09 , 36-555. N, 124-348. E, APR. 7.1979, 02.05 KST, DEPTH 67 , COLOR , TRANS. , ,																	
WAVE 2, SWELL 1, WIND E 2, BARO 1021. , AIR TEMP. DRY 9.5, WET , , CLOUD. TYPE , AMT , WEATHER ,																	
0	8.01	33.190								0	8.01	33.190		25.87	213	213	.0000
10	7.94	33.290								10	7.94	33.290		25.96	205	205	.0209
20	7.24	33.190								20	7.24	33.190		25.98	203	203	.0414
30	6.94	33.140								30	6.94	33.140		25.99	203	203	.0617
50	6.92	33.170								50	6.92	33.170		26.01	200	201	.1022
65	6.85	33.170															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI		DEPTH	TEMP	SAL	O2	SIGMA-T	D T	SVA	D DY
0	6.09	33.200															
10	[illegible]	[illegible]															
20	7.41	[illegible]															
30	7.11	33.170															
50	6.99	33.230															
73	6.99	33.170															
										0	[illegible]	[illegible]		25.67	214	215	.0000
										10	7.	[illegible]		25.97	205	204	.0209
										20	7.41	[illegible]		25.96	205	205	.0415
										30	7.11	[illegible]		25.99	203	203	.0619
										50	6.99	[illegible]		26.05	197	197	.1020

6 월 (June)

KOREA ,HAN RA SAN , STATION 307-03 , 36-565. N, 125-[illegible] , [illegible] , 15.50 KST, DEPTH 40 , COLOR 7, TRANS. 2.6,

[illegible] , [illegible] , WIND [illegible] , BARO 1013. , AIR TEMP. [illegible] , [illegible] , CLOUD. TYPE NS, AMT 9, WEATHER C ,

0	13.50	32.590	0	13.50	32.590	24.45	349	349	.0000
10	13.35	[illegible]	10	13.35	32.550	24.45	349	349	.0349
20	13.39	32.660	20	13.30	32.660	24.54	340	340	.0694
30	13.2	[illegible]							

KOREA ,HAN RA SAN , STATION 307-04 , 36-555. N, 125-377. E, JUN.10.1979, 16.30 KST, DEPTH 32 , COLOR 6, TRANS. 2.5,

WAVE 2, SWELL 2, WIND S 2, BARO 1013. , AIR TEMP. DRY [illegible] , [illegible] , CLOUD. TYPE AS, AMT 8, WEATHER C ,

0	13.69	32.620	0	13.69	32.620	24.43	350	350	.0000
10	13.56	32.590	10	13.56	32.590	24.48	346	346	.0349
20	13.39	32.610	20	13.39	32.610	24.49	345	345	.0695
30	13.39	32.650							

OBSERVED										INTERPOLATED				CALCULATED		
DEPTH	TEMP	SAL	O2	P	TOTAL P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D.T	SVA

KOREA ,HAN RA SAN , STATION 307-05 , 36-555. N, 125-50. E, JUN.10.1979, 18.10 KST, DEPTH 50 , COLOR 5, TRANS. 11. ,
WAVE 2, SWELL 2, WIND SW 2, BARO 1012. , AIR TEMP. DRY 17.0, WET . , CLOUD. TYPE AS, AMT 8, WEATHER C ,

0	15.30	32.550	0	15.30	32.550	24.04	387	.0000
10	15.10	32.720	10	15.10	32.720	24.22	371	.0370
20	13.75	32.750	20	13.75	32.750	24.52	342	.0737
30	11.65	32.790	30	11.65	32.790	24.92	304	.1101
45	10.74	32.830						

KOREA ,HAN RA SAN , STATION 307-06 , 36-555. N, 125-125. E, JUN.10.1979, 19.55 KST, DEPTH 56 , COLOR 4, TRANS. 10. ,
WAVE 2, SWELL 2, WIND NW 2, BARO 1015. , AIR TEMP. DRY 16.7, WET . , CLOUD. TYPE AS, AMT 8, WEATHER C ,

0	17.05	32.470	0	17.05	32.470	23.59	431	.0000
10	16.44	32.547	10	16.44	32.470	23.74	417	.0424
20	14.04	32.720	20	14.04	32.720	24.44	350	.0808
30	9.90	32.920	30	9.90	32.920	25.37	262	.1115
50	8.93	33.060	50	8.93	33.060	25.63	237	.1614
55	7.00	33.110						

KOREA ,HAN RA SAN , STATION 307-07 , 36-555. N, 125-175. E, JUN.10.1979, 21.40 KST, DEPTH 58 , COLOR , TRANS. ,
WAVE 1, SWELL 2, WIND NW 2, BARO 1013.5, AIR TEMP. DRY 15.5, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	16.00	32.250	0	16.00	32.250	23.48	442	442	.0000
10	15.21	32.410	10	15.21	32.410	23.73	417	417	.0445
20	14.24	32.700	20	14.24	32.700	24.38	355	355	.0917
30	9.10	32.890	30	9.10	32.890	25.47	251	252	.1121
55	8.48	33.060							

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL P	NO2 N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,HAN RA SAN , STATION 307-08 , 36-555. N, 124-675. E, JUN.10.1979, 23.25 KST, DEPTH 67 , COLOR , TRANS. , ,

WAVE 1, SWELL 1, WIND NE 2, BARO 1013.5, AIR TEMP. DRY 15.5, WET , , CLOUD. TYPE , AMT , WEATHER ,

0	17.00	32.610		0	17.00	32.610	23.70	420	420	.0000
10	15.78	32.510		10	15.78	32.510	23.91	401	401	.0411
20	9.70	32.850		20	9.70	32.850	25.35	264	264	.0743
30	8.65	32.980		30	8.65	32.980	25.61	238	238	.0995
50	8.30	32.960		50	8.30	32.960	25.65	235	235	.1469
60	8.35	33.020								

KOREA ,HAN RA SAN , STATION 307-09 , 36-555. N, 124-348. E, JUN.11.1979, 01.10 KST, DEPTH 67 , COLOR , TRANS. , ,

WAVE 1, SWELL 1, WIND NW 2, BARO 1013. , AIR TEMP. DRY 15.7, WET , , CLOUD. TYPE , AMT , WEATHER ,

0	17.24	32.590		0	17.24	32.590	23.63	427	427	.0000
10	15.50	32.410		10	15.50	32.410	23.89	402	402	.0415
20	10.95	32.460		20	10.95	32.460	24.83	313	313	.0773
30	8.34	32.790		30	8.34	32.790	25.51	248	248	.1054
50	8.20	32.910		50	8.20	32.910	25.63	237	237	.1540
65	8.29	32.930								

KOREA ,HAN RA SAN , STATION 307-10 , 36-555. N, 124-223. E, JUN.11.1979, 03.00 KST, DEPTH 76 , COLOR , TRANS. , ,

WAVE 1, SWELL 1, WIND NW 2, BARO 1013. , AIR TEMP. DRY 16.0, WET , , CLOUD. TYPE , AMT , WEATHER ,

0	17.18	32.730		0	17.18	32.730	23.75	415	415	.0000
10	15.65	32.880		10	15.65	32.880	24.22	371	371	.0395
20	11.42	32.840		20	11.42	32.840	25.04	293	293	.0726
30	10.20	32.970		30	10.20	32.970	25.36	263	263	.1004
50	8.62	33.050		50	8.62	33.050	25.64	239	239	.1506

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

8 월 (August)

KOREA ,HAN RA SAN , STATION 307-03 , 36-565. N, 126-000. E, AUG. 7.1979, 13.30 KST, DEPTH 40 , COLOR 7, TRANS. 6.5,

WAVE 1, SWELL 1, WIND NW 1, BARO 1012. , AIR TEMP. DRY 25.5, WET . , CLOUD. TYPE CI, AMT. 1, WEATHER B ,

0	23.47	32.570				0	23.47	32.570	21.98	585	584	.0000
10	21.60	32.760				10	21.60	32.760	22.65	521	521	.0553
20	21.00	32.830				20	21.00	32.830	22.87	500	500	.1064
35	19.78	32.990										

KOREA ,HAN RA SAN , STATION 307-04 , 36-555. N, 125-377. E, AUG. 7.1979, 16.10 KST, DEPTH 41 , COLOR 6, TRANS. 6. ,

WAVE 1, SWELL 1, WIND NW 1, BARO 1011.5, AIR TEMP. DRY 25.0, WET . , CLOUD. TYPE CI, AMT 1, WEATHER B ,

0	26.50	31.940				0	26.50	31.940	20.60	717	717	.0000
10	23.34	32.090				10	23.34	32.090	21.66	616	616	.0667
20	22.40	32.470				20	22.40	32.470	22.21	563	563	.1257
38	19.13	33.010										

KOREA ,HAN RA SAN , STATION 307-05 , 36-555. N, 125-250. E, AUG. 7.1979, 17.50 KST, DEPTH 50 , COLOR 5, TRANS. 11.5,

WAVE 1, SWELL 1, WIND NW 1, BARO 1011.5, AIR TEMP. DRY 26.2, WET . , CLOUD. TYPE CI, AMT 1, WEATHER I ,

0	25.15	32.410				0	25.15	32.410	21.37	644	643	.0000
10	22.10	32.760				10	22.10	32.760	22.51	534	534	.0589
20	19.26	33.080				20	19.26	33.080	23.51	438	439	.1076
30	19.20	33.130				30	19.20	33.130	23.56	433	434	.1513
45	19.16	33.150										

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,HAN RA SAN , STATION 307-06 , 36-555. N, 125-125. E, AUG. 7.1979, 19.35 KST, DEPTH 60 , COLOR 6, TRANS. 5. ,

WAVE 1, SWELL 1, WIND W 1, BARO 1011.5, AIR TEMP. DRY 25.5, WET . , CLOUD. TYPE CI, AMT 3, WEATHER BC,

0	24.75	32.770							0	24.75	32.770		21.76	606	606	.0000
10	23.71	32.770							10	23.71	32.770		22.06	577	577	.0592
20	21.40	33.330							20	21.40	33.330		23.14	474	474	.1118
30	13.53	33.710							30	13.53	33.710		25.31	267	268	.1489
50	12.18	33.730							50	12.18	33.730		25.59	240	241	.1999
55	12.47	33.950														

KOREA ,HAN RA SAN , STATION 307-07 , 36-555. N, 125-000. E, AUG. 7.1979, 21.20 KST, DEPTH 60 , COLOR , TRANS. . ,

WAVE 1, SWELL 1, WIND W 1, BARO 1011.5, AIR TEMP. DRY 25.0, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	26.80	32.880							0	26.80	32.880		21.21	659	658	.0000
10	24.18	32.760							10	24.18	32.760		21.92	591	591	.0625
20	9.45	33.550							20	9.45	33.550		25.93	208	208	.1025
30	9.47	33.680							30	9.47	33.680		26.03	198	199	.1229
55	9.47	33.750														

KOREA ,HAN RA SAN , STATION 307-08 , 36-555. N, 124-475. E, AUG. 7.1979, 23.10 KST, DEPTH 64 , COLOR , TRANS. . ,

WAVE 1, SWELL 1, WIND SE 1, BARO 1012. , AIR TEMP. DRY 25.0, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	26.28	32.900							0	26.28	32.900		21.39	642	641	.0000
10	25.39	32.630							10	25.39	32.630		21.46	635	635	.0639
20	22.55	32.810							20	22.55	32.810		22.43	542	542	.1228
30	8.65	33.530							30	8.65	33.530		26.04	197	197	.1598
50	8.60	33.690							50	8.60	33.690		26.18	185	185	.1982
60	8.53	33.750														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,HAN RA SAN , STATION 307-09 , 36-555. N, 124-348. E, AUG. 8.1979, 00.55 KST, DEPTH 68 , COLOR. , TRANS. . ,

WAVE 1, SWELL 1, WIND SE 1, BARO 1012. , AIR TEMP. DRY 25.0, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	26.30	32.990	0	26.30	32.990	21.45	636	635	.0000
10	23.75	33.170	10	23.75	33.170	22.35	549	549	.0593
20	22.71	33.680	20	22.71	33.680	23.04	484	484	.1110
30	8.88	33.620	30	8.88	33.620	26.08	194	194	.1449
50	8.28	33.680	50	8.28	33.680	26.22	181	181	.1826
65	8.27	33.780							

KOREA ,HAN RA SAN , STATION 307-10 , 36-555. N, 124-223. E, AUG. 8.1979, 02.45 KST, DEPTH 76 , COLOR , TRANS. . ,

WAVE 1, SWELL 1, WIND SE 1, BARO 1012. , AIR TEMP. DPY 24.8, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	26.35	32.770	0	26.35	32.770	21.27	653	653	.0000
10	22.96	32.650	10	22.96	32.650	22.19	565	565	.0609
20	22.63	32.390	20	22.63	32.390	22.09	575	575	.1180
30	9.05	32.900	30	9.05	32.900	25.49	250	250	.1593
50	8.30	33.710	50	8.30	33.710	26.24	179	179	.2023
73	8.08	33.750							

10 월 (October)

KOREA ,CHUN MA SAN , STATION 307-03 , 36-565. N, 126-000. E, OCT.11.1979, 06.00 KST, DEPTH 37 , COLOR 5, TRANS. 3.

WAVE 2, SWELL 1, WIND SW 3, BARO 1014.5 , AIR TEMP. DRY 17.8, WET . , CLOUD. TYPE AS, AMT 7, WEATHER BC,

0	18.64	32.760	0	18.64	32.760	23.42	447	446	.0000
10	18.62	32.760	10	18.62	32.760	23.43	446	446	.0447
20	18.48	32.770.	20	18.48	32.770	23.47	442	443	.0892
35	10.34	32.810							

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,CHUN MA SAN , STATION 307-04 , 36-55S. N, 125-37?. E, OCT.11.1979, 10.40 KST, DEPTH 34 , COLOR 5, TRANS. 4. ,
WAVE 2, SWELL 1, WIND W 4, BARO 1015. , AIR TEMP. DRY 17.5, WET . , CLOUD. TYPE ST, AMT. 9, WEATHER C ,

0	18.15	32.720								0	18.15	32.720		23.51	438	438	.0000
10	17.64	32.830								10	17.64	32.830		23.72	418	418	.0429
20	17.57	32.940								20	17.57	32.940		23.82	409	409	.0843
30	17.54	32.940															

KOREA ,CHUN MA SAN , STATION 307-05 , 36-555. N, 125-250. E, OCT.11.1979, 12.20 KST, DEPTH 48 , COLOR 4, TRANS. 5. ,
WAVE 3, SWELL 1, WIND NW 4, BARO 1015. , AIR TEMP. DRY 17.4, WET . , CLOUD. TYPE AS, AMT 8, WEATHER C ,

0	18.11	33.240								0	18.11	33.240		23.92	399	399	.0000
10	17.79	33.260								10	17.79	33.260		24.01	391	391	.0395
20	17.57	33.280								20	17.57	33.280		24.08	384	384	.0783
30	17.49	******								30	17.49	******		*****	***	***	******
45	14.58	33.280															

KOREA ,CHUN MA SAN , STATION 307-06 , 36-555. N, 125-125. E, OCT.11.1979, 14.00 KST, DEPTH 57 , COLOR 3, TRANS. 15. ,
WAVE 3, SWELL 1, WIND NW 4, BARO 1014.5, AIR TEMP. DRY 17.0, WET . , CLOUD. TYPE AS, AMT 5, WEATHER BC,

0	19.50	33.080								0	19.50	33.080		23.45	444	444	.0000
10	18.16	33.100								10	18.16	33.100		23.80	411	411	.0428
20	17.12	33.240								20	17.12	33.240		24.16	377	377	.0822
30	16.05	33.240								30	16.05	33.240		24.40	353	354	.1188
50	11.89	33.350								50	11.89	33.350		25.35	265	264	.1807
55	11.25	33.400															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL P	NO2 N	NO3 N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D DY

KOREA ,CHUN MA SAN , STATION 307-07 , [illegible] N, 125-[illegible] E, OCT.11.1979, 15.40 KST, DEPTH 5 , COLOR 3, TRANS. 19. ,

WAVE 5, SWELL 1, WIND NW 4, BARO 1043. , AIR TEMP. DRY 15.3, WET . , CLOUD. TYPE AS, AMT 5, WEATHER BC,

0	19.19	32.900	0	19.19	32.900	23.39	450	449	.0000
10	19.18	32.810	10	19.18	32.810	23.33	456	456	.0453
20	19.59	32.990	20	19.59	32.990	23.36	453	453	.0908
30	16.05	33.300	30	16.05	33.300	24.45	349	349	.1310
55	9.79	33.240							

KOREA ,CHUN MA SAN , STATION 307-08 , [illegible] N, 124-475. E, OCT.11.1979, 17.30 KST, DEPTH 60 , COLOR 3, TRANS. 16. ,

WAVE 4, SWELL 2, WIND NW 5, BARO 1013.7, AIR TEMP. DRY 15.0, WET . , CLOUD. TYPE AS, AMT 3, WEATHER BC,

0	19.48	32.770	0	19.48	32.770	23.22	466	466	.0000
10	19.65	32.810	10	19.65	32.810	23.21	468	468	.0467
20	19.55	32.830	20	19.55	32.830	23.25	464	464	.0933
30	19.59	32.850	30	19.59	32.850	23.25	463	464	.1398
50	11.09	33.130	50	11.09	33.130	25.33	266	266	.2129
60	9.53	33.220							

KOREA ,CHUN MA SAN , STATION 307-09 , 36-555. N, 124-343. E, OCT.11.1979, 19.10 KST, DEPTH 64 , COLOR , TRANS. . ,

WAVE 5, SWELL 3, WIND NW 6, BARO 1014. , AIR TEMP. DRY 15.8, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	19.39	33.040	0	19.39	33.040	23.45	444	444	.0000
10	19.28	32.860	10	19.28	32.860	23.34	455	455	.0450
20	19.30	33.120	20	19.30	33.120	23.53	436	437	.0896
30	16.05	33.150	30	16.05	33.150	24.34	360	360	.1295
50	10.92	33.210	50	10.92	33.210	25.42	257	257	.1914
60	9.75	33.190							

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA T	D-T	SVA	D DY

KOREA ,CHUN HA SAN , STATION 307-10 , 36-555. N, 124-223. E, OCT.11.1979, 21.00 KST, DEPTH 74 , COLOR , TRANS. . ,

WAVE 5, SWELL 3, WIND NW 6, BARO 1013.5, AIR TEMP. DRY 13.5, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	19.35	32.570	0	19.35	32.570	23.10	479	477	.0000
10	19.41	32.850	10	19.41	32.850	23.30	459	459	.0469
20	19.37	32.810	20	19.37	32.810	23.28	461	461	.0929
30	19.34	32.850	30	19.34	32.850	23.32	457	458	.1389
50	11.08	33.150	50	11.08	33.150	25.34	264	265	.2112
70	9.69	33.220							

12 월 (December)

KOREA ,HAN RA SAN , STATION 307-03 , 36-565. N, 126-000. E, DEC. 7.1979, 12.10 KST, DEPTH 39 , COLOR 8, TRANS. 2. ,

WAVE , SWELL 1, WIND NW 2, BARO 1023. , AIR TEMP. DRY 10.5, WET . , CLOUD. TYPE AC, AMT 5, WEATHER BC,

0	11.90	33.130	0	11.90	33.130	25.18	280	279	.0000
10	11.83	33.220	10	11.83	33.220	25.26	272	272	.0276
20	11.80	33.240	20	11.80	33.240	25.28	270	270	.0547
35	11.87	33.280							

KOREA ,HAN RA SAN , STATION 307-04 , 36-555. N, 125-377. E, DEC. 7.1979, 14.50 KST, DEPTH 37 , COLOR 7, TRANS. 4. ,

WAVE , SWELL 1, WIND NW 2, BARO 1027.5, AIR TEMP. DRY 11.0, WET . , CLOUD. TYPE AC, AMT 6, WEATHER BC,

0	11.80	33.310	0	11.80	33.310	25.34	265	264	.0000
10	11.70	33.310	10	11.70	33.310	25.35	263	263	.0264
20	11.66	33.350	20	11.66	33.350	25.39	259	260	.0526
35	11.75	33.320							

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,HAN RA SAN , STATION 307-05 , 36-555. N, 125-[illegible]. E, DEC. 7.1979, 16.30 KST, DEPTH 5[illegible] , COLOR 5, TRANS. 4. ,
WAVE 2, SWELL 1, WIND NW 2, BARO 1027.5, AIR TEMP. DRY 10.5, WET . , CLOUD. TYPE AC, AMT 6, WEATHER BC,

0	11.40	33.240								0	11.40	33.240		25.35	263	262	.0000
10	11.38	33.260								10	11.38	33.260		25.37	261	261	.0262
20	11.30	33.280								20	11.30	33.280		25.40	258	258	.0522
30	11.28	33.300								30	11.28	33.300		25.42	256	257	.0780
50	11.30	33.370															

KOREA ,HAN RA SAN , STATION 307-06 , 36-555. N, 125-125. E, DEC. 7.1979, 18.15 KST, DEPTH 60 , COLOR , TRANS. . ,
WAVE 2, SWELL 1, WIND NW 2, BARO 1027.5, AIR TEMP. DRY 10.0, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	11.38	33.130								0	11.38	33.130		25.18	279	279	.0000
10	11.00	33.170								10	11.00	33.170		25.37	261	261	.0270
20	11.99	33.190								20	11.99	33.190		25.21	277	277	.0540
30	10.88	33.190								30	10.88	33.190		25.41	258	258	.0808
50	10.80	33.190								50	10.80	33.190		25.42	256	257	.1323
55	10.85	33.220															

KOREA ,HAN RA SAN , STATION 307-07 , 36-555. N, 125-000. E, DEC. 7.1979, 20.00 KST, DEPTH 60 , COLOR , TRANS. . ,
WAVE 2, SWELL 1, WIND NW 2, BARO 1027.5, AIR TEMP. DRY 9.0, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	10.97	32.970								0	10.97	32.970		25.22	275	275	.0000
10	10.90	32.970								10	10.90	32.970		25.24	274	274	.0275
20	10.84	33.010								20	10.84	33.010		25.28	270	270	.0548
30	10.57	33.190								30	10.57	33.190		25.46	252	253	.0810
55	9.68	33.220															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL P	N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	DYN

KOREA ,HAN RA SAN , STATION 307-08 , 36-555. N, 124-475. E, DEC. 7.1979, 21.50 KST, DEPTH 68 , COLOR , TRANS. , ,

WAVE 2, SWELL 1, WIND NW 2, BARO 1023. , AIR TEMP. DRY 9.5, WET , , CLOUD. TYPE , AMT , WEATHER ,

0	10.94	32.950				0	10.94	32.950		25.21	276	276	.0000
10	10.82	32.950				10	10.82	32.950		25.23	274	274	.0276
20	10.60	******				20	10.60	*******		*****	***	***	******
30	10.43	32.940				30	10.43	32.940		25.29	269	269	******
50	8.92	33.170				50	8.92	33.170		25.72	228	229	******
65	8.90	33.440											

KOREA ,HAN RA SAN , STATION 307-09 , 36-555. N, 124-343. E, DEC. 7.1979, 23.35 KST, DEPTH 68 , COLOR , TRANS. , ,

WAVE 2, SWELL 1, WIND NW 2, BARO 1023. , AIR TEMP. DRY 9.5, WET , , CLOUD. TYPE , AMT , WEATHER ,

0	10.48	32.950				0	10.48	32.950		25.29	269	268	.0000
10	9.83	32.970				10	9.83	32.970		25.42	257	257	.0265
20	9.52	33.010				20	9.52	33.010		25.50	249	249	.0516
30	9.04	33.050				30	9.04	33.050		25.61	239	239	.0761
50	8.72	33.100				50	8.72	33.100		25.70	230	231	.1231
65	8.60	33.150											

KOREA ,HAN RA SAN , STATION 307-10 , 36-555. N, 124-223. E, DEC. 8.1979, 01.25 KST, DEPTH 75 , COLOR , TRANS. , ,

WAVE 2, SWELL 1, WIND NW 2, BARO 1027.5, AIR TEMP. DRY 9.0, WET , , CLOUD. TYPE , AMT , WEATHER ,

0	10.00	32.850				0	10.00	32.850		25.30	268	268	.0000
10	9.58	32.880				10	9.58	32.860		25.37	261	261	.0265
20	9.06	32.880				20	9.06	32.880		25.47	252	252	.0522
30	8.83	32.900				30	8.83	32.900		25.52	247	247	.0771
50	8.65	32.990				50	8.65	32.990		25.62	237	238	.1257
70	8.50	33.040											

308 선 해 양 관 측 성 적
OCEANOGRAPHIC DATA, LINE 308

2 월 (February)

KOREA ,HAN RA SAN , STATION 308-01 , 36-198. N, 126-144. E, FEB.13.1979, 20.40 KST, DEPTH 20 , COLOR , TRANS. . ,

WAVE 4, SWELL 3, WIND NW 6, BARO 1019. , AIR TEMP. DRY 7.5, WET . , CLOUD. TYPE , AMT , WEATHER ,

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	7.01	32.590								0	7.01	32.590		25.54	245	244	.0000
10	6.89	32.590								10	6.89	32.590		25.56	243	243	.0244
18	6.85	32.600															

KOREA ,HAN RA SAN , STATION 308-02 , 36-198. N, 126-023. E, FEB.13.1979, 19.00 KST, DEPTH 27 , COLOR , TRANS. . ,

WAVE 4, SWELL 3, WIND NW 5, BARO 1019.4, AIR TEMP. DRY 8.0, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	7.13	32.710								0	7.13	32.710		25.62	237	237	.0000
10	6.91	32.720								10	6.91	32.720		25.66	234	234	.0236
20	6.91	32.730								20	6.91	32.730		25.67	233	233	.0470
25.	7.05	32.710															

KOREA ,HAN RA SAN , STATION 308-03 , 36-198. N, 125-500. E, FEB.13.1979, 17.20 KST, DEPTH 49 , COLOR 4, TRANS. 8.

WAVE 4, SWELL 3, WIND NW 4, BARO 1019.5, AIR TEMP. DRY 8.5, WET . , CLOUD. TYPE SC, AMT 8, WEATHER BC,

0	7.11	32.720								0	7.11	32.720		25.63	236	236	.0000
10	6.20	32.680								10	6.20	32.680		25.72	228	228	.0232
20	7.01	32.670								20	7.01	32.670		25.61	239	239	.0466
30	6.98	32.680								30	6.98	32.680		25.62	238	238	.0705
45	7.18	32.710															

OBSERVED										INTERPOLATED			CALCULATED			
DEPTH	TEMP	SAL	AP	P	TOTAL-P	NO2 N	NO3 N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,HAN RA SAN , STATION 308-04 , 36-198. N, 125-378. E, FEB.13,1979, 15.40 KST, DEPTH 51 , COLOR 4, TRANS. 9. ,

WAVE 3, SWELL 3, WIND NW 3, BARO 1021. , AIR TEMP. DRY 3.6, WET . , CLOUD. TYPE CS, AMT 3, WEATHER BC,

0	6.99	32.760			0	6.99	32.760	25.68	232	232	.0000
10	6.85	32.770			10	6.85	32.770	25.7[illegible]	229	229	.0231
20	6.81	32.770			20	6.81	32.770	25.71	229	229	.0460
30	6.77	32.750			30	6.77	32.750	25.70	230	230	.0690
48	7.05	32.760									

KOREA ,HAN RA SAN , STATION 308-05 , 36-198. N, 125-253. E, FEB.13,1979, 13.55 KST, DEPTH 52 , COLOR 3, TRANS. 11. ,

WAVE 2, SWELL 2, WIND NW 3, BARO 1021.3, AIR TEMP. DRY 3.5, WET . , CLOUD. TYPE CS, AMT 2, WEATHER B ,

0	7.08	32.720			0	7.08	32.720	25.64	236	236	.0000
10	6.95	32.730			10	6.95	32.730	25.66	234	233	.0235
20	6.72	32.720			20	6.72	32.720	25.68	231	231	.0468
30	6.19	32.740			30	6.19	32.740	25.77	223	224	.0696
50	6.31	32.910									

KOREA ,HAN RA SAN , STATION 308-06 , 36-198. N, 125-124. E, FEB.13,1979, 12.10 KST, DEPTH 58 , COLOR 4, TRANS. 12. ,

WAVE 2, SWELL 2, WIND NW 3, BARO 1023. , AIR TEMP. DRY 3.0, WET . , CLOUD. TYPE CS, AMT 2, WEATHER B ,

0	7.19	32.730			0	7.19	32.730	25.63	237	236	.0000
10	6.89	32.750			10	6.89	32.750	25.69	231	231	.0234
20	6.59	32.760			20	6.59	32.760	25.73	227	227	.0464
30	6.57	32.720			30	6.57	32.720	25.70	230	230	.0692
55	6.85	32.720									

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,HAN RA SAN , STATION 308-07 , 36-198. N, 125-000. E, FEB.13.1979, 10.25 KST, DEPTH 67 , COLOR 3, TRANS. 11.5,

WAVE 3, SWELL 2, WIND N 2, BARO 1021.5, AIR TEMP. DRY 7.5, WET . , CLOUD. TYPE CC, AMT 3, WEATHER BC,

0	7.17	32.800					0	7.17	32.800	25.69	231	231	.0000
10	7.00	32.830					10	7.00	32.830	25.73	227	227	.0229
20	6.98	32.820					20	6.98	32.820	25.73	227	227	.0457
30	6.95	32.780					30	6.95	32.780	25.70	230	230	.0686
50	7.10	32.780					50	7.10	32.780	25.68	232	232	.1149
65	7.13	32.800											

KOREA ,HAN RA SAN , STATION 308-08 , 36-198. N, 124-475. E, FEB.13.1979, 08.40 KST, DEPTH 76 , COLOR TRANS. 12. ,

WAVE 3, SWELL 2, WIND N 2, BARO 1021.9, AIR TEMP. DRY 7.0, WET . , CLOUD. TYPE CC, AMT 3, WEATHER BC,

0	7.40	32.820					0	7.40	32.820	25.67	233	232	.0000
10	7.21	32.810					10	7.21	32.810	25.69	231	231	.0232
20	7.06	32.810					20	7.06	32.810	25.71	229	229	.0462
30	7.04	32.810					30	7.04	32.810	25.71	229	229	.0692
50	7.07	32.840					50	7.07	32.840	25.73	227	227	.1149
73	7.15	32.840											

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,HAN RA SAN , STATION 308-09 , 36-198. N, 124-351. E, FEB.13.1979, 06.50 KST, DEPTH 83 , COLOR , TRANS. . ,

WAVE 2, SWELL 2, WIND NE 2, BARO 1022.1, AIR TEMP. DRY 6.6, WET . , CLOUD. TYPE CC, AMT 4, WEATHER BC,

0	7.31	32.810								0	7.31	32.810		25.68	232	232	.0000
10	7.35	32.780								10	7.35	32.780		25.65	235	235	.0234
20	7.40	32.770								20	7.40	32.770		25.63	236	236	.0470
30	7.47	32.770								30	7.47	32.770		25.62	237	237	.0707
50	7.15	32.760								50	7.15	32.760		25.66	234	234	.1180
80	7.34	32.810															

KOREA ,HAN RA SAN , STATION 308-10 , 36-198. N, 124-230. E, FEB.13.1979, 05.00 KST, DEPTH 82 , COLOR TRANS. . ,

WAVE 2, SWELL 2, WIND NE 2, BARO 1023. , AIR TEMP. DRY 6.5, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	7.54	32.820								0	7.54	32.820		25.65	235	234	.0000
10	7.67	32.830								10	7.67	32.830		25.64	236	235	.0235
20	7.45	32.830								20	7.45	32.830		25.67	233	233	.0470
30	7.55	32.840								30	7.55	32.840		25.67	233	233	.0705
50	7.37	32.850								50	7.37	32.850		25.70	230	230	.1168
80	7.35	32.850															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

4 월 (April) .

KOREA ,HAN RA SAN , STATION 308-01 , 36-198. N, 126-144. E, APR.10.1979, 10.30 KST, DEPTH 20 , COLOR 7, TRANS. 2. ,

WAVE 3, SWELL 2, WIND SW 3, BARO 1022. , AIR TEMP. DRY 7.5, WET . , CLOUD. TYPE CI, AMT 2, WEATHER B ,

0	7.57	32.890								0	7.57	32.890		25.70	230	229	.0000
10	7.60	32.880								10	7.60	32.880		25.69	231	231	.0231
15	7.52	32.880															

KOREA ,HAN RA SAN , STATION 308-02 , 36-198. N, 126-023. E, APR.10.1979, 08.55 KST, DEPTH 28 , COLOR 6, TRANS. 6. ,

WAVE 2, SWELL 3, WIND SW 2, BARO 1023. , AIR TEMP. DRY 8.1, WET . , CLOUD. TYPE CI, AMT 1, WEATHER B ,

0	7.40	33.080								0	7.40	33.080		25.87	213	213	.0000
10	7.44	33.010								10	7.44	33.010		25.81	219	219	.0216
20	7.40	33.010								20	7.40	33.010		25.82	218	218	.0436
25	7.40	33.010															

KOREA ,HAN RA SAN , STATION 308-03 , 36-198. N, 125-500. E, APR.10.1979, 07.15 KST, DEPTH 49 , COLOR 6, TRANS. 6. ,

WAVE 2, SWELL 3, WIND SW 2, BARO 1023. , AIR TEMP. DRY 8.3, WET . , CLOUD. TYPE CI, AMT 1, WEATHER B ,

0	8.05	33.080								0	8.05	33.080		25.78	222	222	.0000
10	7.48	33.080								10	7.48	33.080		25.86	214	214	.0219
20	7.20	33.080								20	7.20	33.080		25.90	211	211	.0431
30	7.10	33.080								30	7.10	33.080		25.92	209	209	.0642
45	7.10	33.080															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2 N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA T	D-T	SVA	D DY

KOREA ,N ! RA SAN , STATION 308-04 , 36-198. N, 125-370. E, APR. 7.1979, 19.40 KST, DEPTH 55 , COLOR , TRANS. . ,

WAVE S, SWELL 2, WIND S 5, BARO 1005. , AIR TEMP. DRY 10.5, WET . , CLOUD. TYPE , AMT , WEATHER R ,

0	7.70	33.080								0	7.70	33.080		25.83	217	217	.0000
10	7.53	33.090								10	7.53	33.090		25.88	214	214	.0216
20	7.15	33.080								20	7.15	33.080		25.91	210	210	.0429
30	7.03	33.080								30	7.03	33.080		25.93	208	209	.0638
52	7.09	33.090															

KOREA ,HAN RA SAN , STATION 308-05 , 36-198. N, 125-253. E, APR. 7.1979, 17.55 KST, DEPTH 52 , COLOR 4, TRANS. 5.5,

WAVE S, SWELL 2, WIND SE 5, BARO 1006. , AIR TEMP. DRY 11.7, WET . , CLOUD. TYPE NS, AMT 9, WEATHER R ,

0	7.90	33.110								0	7.90	33.110		25.83	218	218	.0000
10	7.31	33.090								10	7.31	33.090		25.90	211	211	.0215
20	7.10	33.090								20	7.10	33.090		25.92	209	209	.0425
30	7.00	33.090								30	7.00	33.090		25.94	207	207	.0634
50	7.01	33.090															

KOREA ,HAN RA SAN , STATION 308-06 , 36-198. N, 125-124. E, APR. 7.1979, 16.10 KST, DEPTH 58 , COLOR 3, TRANS. 7.5,

WAVE 4, SWELL 2, WIND SE 5, BARO 1003. , AIR TEMP. DRY 11.4, WET . , CLOUD. TYPE NS, AMT 9, WEATHER R ,

0	7.90	33.140								0	7.90	33.140		25.85	216	215	.0000
10	7.49	33.140								10	7.49	33.140		25.91	210	210	.0213
20	7.12	33.090								20	7.12	33.090		25.92	209	209	.0423
30	7.07	33.140								30	7.07	33.140		25.97	204	205	.0630

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL P	NO2 N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA T	D T	SVA	D DY

KOREA ,HAN RA SAN , STATION 3[illegible]-07 , 36-1[illegible]. N, 12[illegible]. E, APR. 7.1979, 14.25 KST, DEPTH 68 , COLOR 3, TRANS. 8. ,

WAVE 4, SWELL 3, WIND S 4, BARO 101[illegible]. , AIR TEMP. DRY 10.7, WET . , CLOUD. TYPE NS, AMT 9, WEATHER R ,

0	8.10	33.220		0	8.10	33.220	25.88	212	212	.0000
10	7.80	33.220		10	7.80	33.220	25.93	208	208	.0211
20	7.45	33.220		20	7.45	33.220	25.98	203	203	.0417
30	7.45	33.210		30	7.45	33.210	25.97	204	204	.0621
50	7.39	33.200		50	7.39	33.200	25.97	204	205	.1031
65	7.40	33.200								

KOREA ,HAN RA SAN , STATION 308-03 , 36-19[illegible]. N, 12[illegible]. E, APR. 7.1979, 12.40 KST, DEPTH 76 , COLOR 4, TRANS. 8.5,

WAVE 4, SWELL 3, WIND S 4, BARO 1015. , AIR TEMP. DRY 9.1, WET . , CLOUD. TYPE NS, AMT 9, WEATHER R ,

0	8.20	33.260		0	8.20	33.260	25.90	211	21[illegible]	.0000
10	7.90	33.250		10	7.90	33.250	25.94	207	207	.0209
20	7.55	33.240		20	7.55	33.240	25.98	203	203	.0415
30	7.40	33.250		30	7.40	33.250	26.01	201	201	.0618
50	7.39	33.240		50	7.39	33.240	26.00	201	202	.1021
73	7.43	33.240								

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	.02	SIGMA-T	D-T	SVA	D DY

KOREA ,HAN RA SAN , STATION 308-09 , 36-198. N, 124-351. E, APR. 7.1979, 10.50 KST, DEPTH 84 , COLOR 4, TRANS. 9.5,

WAVE 3, SWELL 2, WIND E 3, BARO 1017.5, AIR TEMP. DRY 8.8, WET . , CLOUD. TYPE NS, AMT 9, WEATHER R ,

0	8.44	33.250								0	8.44	33.250		25.86	215	215	.0000
10	8.29	33.220								10	8.29	33.220		25.86	215	215	.0215
20	8.06	33.220								20	8.06	33.220		25.89	212	212	.0429
30	7.48	33.200								30	7.48	33.200		25.96	205	206	.0638
50	7.43	33.230								50	7.43	33.230		25.99	202	203	.1048
80	7.55	33.230															

KOREA ,HAN RA SAN , STATION 308-10 , 36-198. N, 124-230. E, APR. 7.1979, 09.00 KST, DEPTH 80 , COLOR 4, TRANS. 9.5,

WAVE 2, SWELL 1, WIND S 2, BARO 1020. , AIR TEMP. DRY 9.9, WET . , CLOUD. TYPE NS, AMT 9, WEATHER R ,

0	8.59	33.240								0	8.59	33.240		25.83	218	218	.0000
10	8.37	33.260								10	8.37	33.260		25.88	213	213	.0216
20	8.17	33.260								20	8.17	33.260		25.91	210	210	.0428
30	7.70	33.250								30	7.70	33.250		25.97	205	205	.0636
50	7.65	33.240								50	7.65	33.240		25.97	205	205	.1047
75	7.69	33.250															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

6 월 (June)

KOREA ,HAN RA SAN , STATION 308-01 , 36-198. N, 126-144. E, JUN.11.1979, 23.50 KST, DEPTH 22 , COLOR , TRANS. , ,

WAVE 1, SWELL 1, WIND W 1, BARO 1011. , AIR TEMP. DRY 14.0, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	16.50	32.540		0	16.50	32.540	23.77	414	414	.0000
10	15.10	32.520		10	15.10	32.520	24.06	386	386	.400
20	14.77	32.550								

KOREA ,HAN RA SAN , STATION 308-02 , 36-198. N, 126-023. E, JUN.11.1979, 22.10 KST, DEPTH 30 , COLOR , TRANS. , ,

WAVE 1, SWELL 1, WIND NW 1, BARO 1010.5, AIR TEMP. DRY 15.0, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	15.50	32.620		0	15.50	32.620	24.05	387	387	.0000
10	14.23	32.710		10	14.23	32.710	24.39	354	354	.0371
20	14.20	32.480		20	14.20	32.480	24.22	371	371	.0734
27	14.00	32.660								

KOREA ,HAN RA SAN , STATION 308-03 , 36-198. N, 125-500. E, JUN.11.1979, 20.30 KST, DEPTH 49 , COLOR , TRANS. , ,

WAVE 1, SWELL 1, WIND NW 1, BARO 1010. , AIR TEMP. DRY 16.0, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	14.70	32.780		0	14.70	32.780	24.35	359	358	.0000
10	12.60	32.860		10	12.60	32.860	24.84	312	312	.0336
20	12.38	32.890		20	12.38	32.890	24.90	306	306	.0645
30	12.10	32.900		30	12.10	32.900	26.96	300	300	.0949
45	10.68	32.830								

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D T	SVA	D DY

KOREA ,HAN RA SAN , STATION 308-04 , 36-198. N, 125-370. E, JUN.11.1979, 18.50 KST, DEPTH 50 , COLOR 4, TRANS. 10. ,
WAVE 1, SWELL 1, WIND NW 1, BARO 1010. , AIR TEMP. DRY 16.5, WET . , CLOUD. TYPE CI, AMT 3, WEATHER BC,

0	17.13	32.770								0	17.13	32.770		23.80	411	411	.0000
10	16.45	32.780								10	16.45	32.780		23.96	395	395	.0404
20	14.32	32.850								20	14.32	32.850		24.48	346	346	.0775
30	9.72	32.970								30	9.72	32.970		25.44	255	255	.1076
47	9.61	33.070															

KOREA ,HAN RA SAN , STATION 308-05 , 36-198. N, 125-253. E, JUN.11.1979, 17.10 KST, DEPTH 52 , COLOR 4, TRANS. 15. ,
WAVE 1, SWELL 1, WIND NW 1, BARO 1010. , AIR TEMP. DRY 18.5, WET . , CLOUD. TYPE CI, AMT 3, WEATHER BC,

0	17.00	32.590								0	17.00	32.590		23.69	421	421	.0000
10	16.60	32.530								10	16.60	32.530		23.74	417	417	.0420
20	10.60	32.880								20	10.60	32.880		25.22	276	276	.0766
30	9.25	33.080								30	9.25	33.080		25.60	240	240	.1025
50	9.03	33.080															

KOREA ,HAN RA SAN , STATION 308-06 , 36-198. N, 125-124. E, JUN.11.1979, 15.30 KST, DEPTH 58 , COLOR 3, TRANS. 19. ,
WAVE 1, SWELL 1, WIND NW 1, BARO 1010. , AIR TEMP. DRY 18.0, WET . , CLOUD. TYPE CI, AMT 3, WEATHER BC,

0	17.14	32.670								0	17.14	32.670		23.72	419	418	.0000
10	16.30	32.660								10	16.30	32.660		23.90	401	401	.0410
20	13.80	32.910								20	13.80	32.910		24.64	331	331	.0777
30	9.80	32.980								30	9.80	32.980		25.43	255	256	.1071
55	9.10	33.050															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,HAN RA SAN , STATION 308-07 , 36-198. N, 125-000. E, JUN.11.1979, 13.45 KST, DEPTH 68 , COLOR 3, TRANS. 19. ,
WAVE 1, SWELL 1, WIND NW 1, BARO 1011.5, AIR TEMP. DRY 18.5, WET . , CLOUD. TYPE CI, AMT 3, WEATHER BC,

0	17.04	32.400				0	17.04	32.400	23.53	436	436	.0000
10	16.40	32.190				10	16.40	32.190	23.52	437	437	.0437
20	15.42	32.200				20	15.42	32.200	23.75	416	416	.0864
30	11.93	32.160				30	11.93	32.160	24.42	352	352	.1249
50	8.40	32.990				50	8.40	32.990	25.66	234	234	.1836
65	8.44	33.140										

KOREA ,HAN RA SAN , STATION 308-08 , 36-198. N, 124-475. E, JUN.11.1979, 12.00 KST, DEPTH 75 , COLOR * TRANS. 17. ,
WAVE 1, SWELL 1, WIND NW 1, BARO 1012.5, AIR TEMP. DRY 17.5, WET . , CLOUD. TYPE CI, AMT 5, WEATHER BC,

0	17.20	32.220				0	17.20	32.220	23.36	453	453	.0000
10	16.87	32.080				10	16.87	32.080	23.33	456	456	.0455
20	15.20	32.440				20	15.20	32.440	23.98	394	394	.0880
30	8.56	33.160				30	8.56	33.160	25.77	223	224	.1189
50	8.35	33.010				50	8.35	33.010	25.68	232	232	.1646
70	8.25	33.210										

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,HAN RA SAN , STATION 308-09 , 36-198. N, 124-351. E, JUN.11.1979, 10.10 KST, DEPTH 85 , COLOR 3, TRANS. 17. ,

WAVE 1, SWELL 1, WIND W 1, BARO 1012.5, AIR TEMP. DRY 18.0, WET . , CLOUD. TYPE CI, AMT 7, WEATHER BC,

0	17.33	32.290		0	17.33	32.290	23.38	451	450	.0000
10	16.80	32.180		10	16.80	32.180	23.42	447	447	.0449
20	15.85	32.240		20	15.85	32.240	23.68	422	422	.0884
30	8.50	32.490		30	8.50	32.490	25.25	272	273	.1232
50	8.52	33.090		50	8.52	33.090	25.72	228	229	.1734
82	8.11	33.110								

KOREA ,HAN RA SAN , STATION 308-10 , 36-198. N, 124-230. E, JUN.11.1979, 08.20 KST, DEPTH 80 , COLOR 3, TRANS. 15. ,

WAVE 1, SWELL 1, WIND S 1, BARO 1012.5, AIR TEMP. DRY 16.5, WET . , CLOUD. TYPE CI, AMT 7, WEATHER BC,

0	17.26	32.230		0	17.26	32.230	23.35	454	453	.0000
10	17.04	32.220		10	17.04	32.220	23.40	449	449	.0452
20	16.03	32.270		20	16.03	32.270	23.67	424	424	.0889
30	8.37	33.050		30	8.37	33.050	25.71	229	229	.1216
50	8.57	32.760		50	8.57	32.760	25.45	253	254	.1700
75	8.28	32.720								

8월 (August)

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,HAN RA SAN , STATION 308-01 , 36-198. N, 126-144. E, AUG. 8.1979, 23.45 KST, DEPTH 25 , COLOR , TRANS. . .																	
WAVE 1, SWELL 1, WIND S 1, BARO 1012.5, AIR TEMP. DRY 23.0, WET . , CLOUD. TYPE , AMT , WEATHER ,																	
0	25.42	32.850								0	25.42	32.850		21.61	620	619	.0000
10	25.20	33.370								10	23.20	33.370		22.66	519	519	.0570
22	21.18	33.430															
KOREA ,HAN RA SAN , STATION 308-02 , 36-198. N, 126-023. E, AUG. 8.1979, 22.05 KST, DEPTH 28 , COLOR , TRANS. . .																	
WAVE 1, SWELL 1, WIND SE 1, BARO 1012.5, AIR TEMP. DRY 23.0, WET . , CLOUD. TYPE , AMT , WEATHER ,																	
0	25.77	33.910								0	25.77	33.910		22.31	554	553	.0000
10	21.06	33.840								10	21.06	33.840		23.62	428	428	.0491
20	17.75	33.890								20	17.75	33.890		24.50	344	344	.0878
25	17.00	33.910															
KOREA ,HAN RA SAN , STATION 308-03 , 36-193. N, 125-500. E, AUG. 8.1979, 20.25 KST, DEPTH 48 , COLOR , TRANS. . .																	
WAVE 1, SWELL 1, WIND NE 1, BARO 1012. , AIR TEMP. DRY 24.0, WET . , CLOUD. TYPE , AMT , WEATHER ,																	
0	24.35	33.150								0	24.35	33.150		22.16	567	567	.0000
10	20.62	33.510								10	20.62	33.510		23.48	441	441	.0505
20	17.95	33.780								20	17.95	33.780		24.37	356	357	.0904
30	17.56	33.910								30	17.56	33.910		24.56	338	339	.1252
45	14.92	33.950															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,HAN RA SAN , STATION 308-04 , 36-198. N, 125-37[illegible]. E, AUG. 8.1979, 18.45 KST, DEPTH 50 , COLOR 5, TRANS. 12. ,

WAVE 1, SWELL 1, WIND NE 1, BARO 1011.5, AIR TEMP. DRY 26.0, WET . , CLOUD. TYPE CI, AMT 2, WEATHER B ,

0	25.55	32.480								0	25.55	32.480		21.30	650	650	.0000
10	24.62	32.480								10	24.62	32.480		21.58	623	623	.0637
20	20.80	33.660								20	20.80	33.660		23.55	435	435	.1167
30	15.27	33.960								30	15.27	33.960		25.13	284	285	.1527
45	13.18	34.050															

KOREA ,HAN RA SAN , STATION 308-05[illegible], 36-198. N, 125-253. E, AUG. 8.1979, 17.00 KST, DEPTH 50 , COLOR 4, TRANS. 15. ,

WAVE 1, SWELL 1, WIND NE 2, BARO 1011. , AIR TEMP. DRY 28.5, WET . , CLOUD. TYPE CI, AMT 1, WEATHER B ,

0	25.84	32.740								0	25.84	32.740		21.40	640	640	.0000
10	25.17	32.500								10	25.17	32.500		21.43	638	638	.0639
20	24.46	32.790								20	24.46	32.790		21.86	596	597	.1257
30	23.60	32.940								30	23.60	32.940		22.22	561	562	.1837
45	15.00	32.720															

KOREA ,HAN RA SAN , STATION 308-06 , 36-193. N, 125-1[illegible]4. E, AUG. 8.1979, 15.[illegible]5 KST, DEPTH 60 , COLOR 3, TRANS. 14. ,

WAVE 1, SWELL 1, WIND E 2, BARO 101[illegible]. , AIR TEMP. DRY 23.5, WET . , CLOUD. TYPE CI, AMT 1, WEATHER B ,

0	26.00	32.920								0	26.00	32.920		21.49	632	631	.0000
10	25.33	32.740								10	25.33	32.740		21.56	625	625	.0629
20	22.84	32.880								20	22.84	32.880		22.40	545	545	.1214
30	10.90	33.750								30	10.90	33.750		25.84	217	217	.1596
55	10.25	33.820															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,HAN RA SAN , STATION 308-07 , 36-198. N, 125-000. E, AUG. 8.1979, 13.25 KST, DEPTH 68 , COLOR 3, TRANS. 16.5,

WAVE 1, SWELL 1, WIND SE 1, BARO 1012.5, AIR TEMP. DRY 23.5, WET . , CLOUD. TYPE CI, AMT 2, WEATHER B ,

0	26.13	32.880		0	26.13	32.880	21.42	639	638	.0000
10	25.46	32.720		10	25.46	32.720	21.50	630	630	0635
20	24.95	32.740		20	24.95	32.740	21.67	614	614	.1258
30	11.23	33.550		30	11.23	33.550	25.63	237	237	.1684
50	9.70	33.770		50	9.70	33.770	26.06	195	196	.2118
65	9.50	33.750								

KOREA ,HAN RA SAN , STATION 308-08 , 36-198. N, 124-475. E, AUG. 8.1979, 11.35 KST, DEPTH 74 , COLOR 3, TRANS. 16. ,

WAVE 1, SWELL 1, WIND SE 1, BARO 1014. , AIR TEMP. DRY 26.5, WET . , CLOUD. TYPE AS, AMT 3, WEATHER BC,

0	26.26	32.740		0	26.26	32.740	21.27	652	652	.0000
10	25.35	32.900		10	25.35	32.900	21.67	614	614	.0634
20	21.62	32.950		20	21.62	32.950	22.79	507	508	.1195
30	8.84	33.550		30	8.84	33.550	26.03	199	199	.1549
50	8.77	33.640		50	8.77	33.640	26.11	191	191	.1940
70	8.65	33.680								

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA ,HAN RA SAN , STATION 308-09 , 36-198. N, 124-351. E, AUG. 9.1979, 09.45 KST, DEPTH 85 , COLOR 3, TRANS. 16. ,																	
WAVE 1, SWELL 1, WIND S 1, BARO 1013.5, AIR TEMP. DRY 25.2, WET . , CLOUD. TYPE AS, AMT 3, WEATHER BC,																	
0	26.00	32.900								0	26.00	32.900		21.47	633	633	.0000
10	25.17	32.970								10	25.17	32.970		21.78	604	604	.0619
20	21.51	32.770								20	21.51	32.770		22.68	517	518	.1180
30	8.72	33.220								30	8.72	33.220		25.79	221	222	.1550
50	8.66	33.690								50	8.66	33.690		26.17	186	186	.1959
80	8.32	33.680															
KOREA ,HAN RA SAN , STATION 308-10 , 36-193. N, 124-230. E, AUG. 8.1979, 07.55 KST, DEPTH 80 , COLOR 3, TRANS. 15. ,																	
WAVE 1, SWELL 1, WIND S 1, BARO 1013. , AIR TEMP. DRY 24.8, WET . , CLOUD. TYPE AC, AMT 8, WEATHER C ,																	
0	26.11	32.860								0	26.11	32.860		21.41	639	639	.0000
10	25.10	32.900								10	25.10	32.900		21.75	607	607	.0623
20	21.68	32.770								20	21.68	32.770		22.64	522	522	.1189
30	8.86	32.740								30	8.86	32.740		25.39	259	259	.1580
50	8.53	33.500								50	8.53	33.500		26.04	198	198	.2038
75	8.28	33.620															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA T	D-T	SVA	D DY

10 월 (October)

KOREA ,CHUN MA SAN , STATION 308-01 , 36-198. N, 126-144. E, OCT.13.1979, 08.30 KST, DEPTH 22 , COLOR 6, TRANS. 7.5,

WAVE 2, SWELL 1, WIND E 3, BARO 1019.5, AIR TEMP. DRY 17.0, WET . , CLOUD. TYPE CC, AMT 1, WEATHER B ,

0	18.62	33.390	0	18.62	33.390	23.91	400	400	.0000
10	18.06	33.440	10	18.06	33.440	24.08	384	384	.0392
20	17.84	33.480							

KOREA ,CHUN MA SAN , STATION 308-02 , 36-198. N, 126-023. E, OCT.13.1979, 10.10 KST, DEPTH 27 , COLOR 5, TRANS. 9.3,

WAVE 2, SWELL 1, WIND E 3, BARO 1019.5, AIR TEMP. DRY 17.8, WET . , CLOUD. TYPE CC, AMT 1, WEATHER B ,

0	18.29	33.460	0	18.29	33.460	24.04	388	387	.0000
10	18.07	33.460	10	18.07	33.460	24.10	382	382	.0385
20	17.89	33.460	20	17.89	33.460	24.14	378	379	.0766
25	17.86	33.480							

KOREA ,CHUN MA SAN , STATION 308-03 , 36-198. N, 125-50o. E, OCT.13.1979, 11.50 KST, DEPTH 50 , COLOR 4, TRANS. 17. ,

WAVE 2, SWELL 1, WIND E 3, BARO 1020. , AIR TEMP. DRY 17.9, WET . , CLOUD. TYPE CC, AMT 1, WEATHER B ,

0	19.97	33.480	0	19.97	33.480	23.63	427	426	.0000
10	18.18	33.440	10	18.18	33.440	24.06	386	386	.0407
20	17.99	33.440	20	17.99	33.440	24.10	382	382	.0792
30	17.93	33.480	30	17.93	33.480	24.15	378	378	.1175
45	16.23	33.690							

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,CHUN MA SAN , STATION 308-04 , 36-198. N, 125-370. E, OCT.13.1979, 13.30 KST, DEPTH 50 , COLOR 3, TRANS. 25. ,
WAVE 2, SWELL 1, WIND E 3, BARO 1019. , AIR TEMP. DRY, 18.3, WET . , CLOUD. TYPE CC, AMT 3, WEATHER BC,

0	19.29	33.040								0	19.29	33.040		23.47	442	442	.0000
10	19.11	33.010								10	19.11	33.010		23.50	440	440	.0441
20	18.46	33.170								20	18.46	33.170		23.78	413	413	.0868
30	15.97	33.600								30	15.97	33.600		24.70	325	326	.1238
45	15.71	33.710															

KOREA ,CHUN MA SAN , STATION 308-05 , 36-198. N, 125-253. E, OCT.13.1979, 15.10 KST, DEPTH 52 , COLOR 3, TRANS. 22. ,
WAVE 2, SWELL 1, WIND NE 3, BARO 1018. , AIR TEMP. DRY 19.5, WET . , CLOUD. TYPE CC, AMT 5, WEATHER BC,

0	18.95	33.170								0	18.95	33.170		23.66	424	424	.0000
10	18.49	33.120								10	18.49	33.120		23.73	417	417	.0421
20	16.78	33.280								20	16.78	33.280		24.27	366	366	.0813
30	14.44	33.640								30	14.44	33.640		25.06	290	291	.1142
50	14.22	33.690															

KOREA ,CHUN MA SAN , STATION 308-06 , 36-198. N, 125-124. E, OCT.13.1979, 16.50 KST, DEPTH 55 , COLOR 3, TRANS. 21. ,
WAVE 2, SWELL 1, WIND NE 3, BARO 1018. , AIR TEMP. DRY 18.5, WET . , CLOUD. TYPE CC, AMT 5, WEATHER BC,

0	19.72	33.030								0	19.72	33.030		23.36	453	453	.0000
10	19.51	32.940								10	19.51	32.940		23.34	455	455	.0434
20	19.19	33.060								20	19.19	33.060		23.51	435	435	.0861
30	18.27	33.220								30	18.27	33.220		23.92	405	405	.1331

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,CHUN MA SAN , STATION 308-07 , 36-198. N, 125-000. E, OCT.13.1979, 18.30 KST, DEPTH 67 , COLOR , TRANS.

WAVE 2, SWELL 1, WIND NE 3, BARO 1018. , AIR TEMP. DRY 17.8, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	19.84	33.030	0	19.84	33.030	23.32	456	456	.0000
10	19.69	32.900	10	19.69	32.900	23.26	462	462	.0459
20	19.61	32.860	20	19.61	32.860	23.25	463	463	.0923
30	19.39	32.940	30	19.39	32.940	23.37	452	452	.1381
50	12.54	33.420	50	12.54	33.420	25.28	270	271	.2105
65	11.61	33.590							

KOREA ,CHUN MA SAN , STATION 308-08 , 36-198. N, 124-47½. E, OCT.13.1979, 20.20 KST, DEPTH 77 , COLOR , TRANS.

WAVE 2, SWELL 1, WIND NE 3, BARO 1018. , AIR TEMP. DRY 17.7, WET . , CLOUD. TYPE , AMT , WEATHER

0	19.64	33.060	0	19.64	33.060	23.40	449	449	.0000
10	19.49	32.860	10	19.49	32.860	23.29	460	460	.0455
20	19.26	32.940	20	19.26	32.940	23.40	449	449	.0910
30	18.83	33.280	30	18.83	33.280	23.77	414	414	.1342
50	12.55	33.600	50	12.55	33.600	25.42	257	258	.2015
75	11.76	33.640							

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA T	D-T	SVA	D DY

KOREA ,CHUN MA SAN , STATION 308-09 , 36-198. N, 124-351. E, OCT.13.1979, 22.00 KST, DEPTH 82 , COLOR , TRANS. . ,

WAVE 3, SWELL 1, WIND NW 3, BARO 1013. , AIR TEMP. DRY 17.5, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	19.50	33.080								0	19.50	33.090		23.45	444	444	.0000
10	19.21	33.010								10	19.21	33.010		23.47	442	442	.0444
20	19.06	33.210								20	19.06	33.210		23.66	424	424	.0877
30	15.64	33.510								30	15.64	33.510		24.70	325	325	.1255
50	12.41	33.690								50	12.41	33.690		25.51	248	248	.1827
80	12.40	33.750															

KOREA. ,CHUN MA SAN , STATION 308-10 , 36-198. N, 124-230. E, OCT.13.1979, 23.50 KST, DEPTH 80 , COLOR , TRANS. .

WAVE 3, SWELL 1, WIND NW 3, BARO 1018. , AIR TEMP. DRY 17.0, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	19.48	33.040								0	19.48	33.040		23.42	447	446	.0000
10	19.17	33.060								10	19.17	33.060		23.52	438	438	.0443
20	19.03	33.300								20	19.03	33.300		23.74	417	417	.0870
30	15.48	33.620								30	15.48	33.620		24.82	313	314	.1236
50	12.00	33.710								50	12.00	33.710		25.61	239	239	.1791
75	11.45	33.980															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

12 월 (December)

KOREA ,HAN RA SAN , STATION 308-01 , 36-198. N, 126-144. E, DEC. 8.1979, 22.25 KST, DEPTH 22 , COLOR , TRANS. . ,

WAVE 3, SWELL 3, WIND NW 4, BARO 1027. , AIR TEMP. DRY 7.0, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	11.68	33.460								0	11.68	33.460		25.47	251	251	.0000
10	11.73	33.510								10	11.73	33.510		25.50	249	248	.0250
20	11.80	33.550															

KOREA ,HAN RA SAN , STATION 308-02 , 36-198. N, 126-023. E, DEC. 8.1979, 20.45 KST, DEPTH 30 , COLOR , TRANS. . ,

WAVE 2, SWELL 2, WIND NW 4, BARO 1026.5, AIR TEMP. DRY 7.5, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	11.75	33.500								0	11.75	33.500		25.49	250	249	.0000
10	11.74	33.500								10	11.74	33.500		25.49	249	249	.0250
20	11.74	33.530								20	11.74	33.530		25.52	247	247	.0499
25	11.78	33.590															

KOREA ,HAN RA SAN , STATION 308-03 , 36-198. N, 125-500. E, DEC. 8.1979, 19.05 KST, DEPTH 50 , COLOR , TRANS. . ,

WAVE 2, SWELL 2, WIND NW 3, BARO 1026.5, AIR TEMP. DRY 8.0, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	11.88	33.500								0	11.88	33.500		25.47	252	252	.0000
10	11.94	33.530								10	11.94	33.530		25.48	251	251	.0252
20	11.88	33.550								20	11.88	33.550		25.51	248	248	.0502
30	11.85	33.570								30	11.85	33.570		25.53	246	247	.0750
45	11.90	33.770															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA ,HAN RA SAN , STATION 308-04 , 36-198. N, 125-370. E, DEC. 8.1979, 17.25 KST, DEPTH 53 , COLOR , TRANS. . ,																	
WAVE 2, SWELL 2, WIND NW 3, BARO 1027. , AIR TEMP. DRY 9.5, WET . , CLOUD. TYPE AS, AMT 2, WEATHER B ,																	
0	12.33	33.500								0	12.33	33.500		25.38	260	260	.0000
10	12.37	33.600								10	12.37	33.600		25.45	253	253	.0257
20	12.32	33.590								20	12.32	33.590		25.45	253	253	.0511
30	12.37	33.620								30	12.37	33.620		25.47	252	252	.0764
50	12.35	33.730															
KOREA ,HAN RA SAN , STATION 308-05 , 36-198. N, 125-253. E, DEC. 8.1979, 15.40 KST, DEPTH 54 , COLOR 4, TRANS. 10. ,																	
WAVE 2, SWELL 1, WIND NW 2, BARO 1026.5, AIR TEMP. DRY 10.5, WET . , CLOUD. TYPE AS, AMT 2, WEATHER B ,																	
0	11.85	33.350								0	11.85	33.350		25.36	262	262	.0000
10	11.86	33.480								10	11.86	33.480		25.46	253	253	.0258
20	11.82	33.500								20	11.82	33.500		25.48	251	251	.0511
30	11.80	33.510								30	11.80	33.510		25.49	250	250	.0762
50	11.84	33.600															
KOREA ,HAN RA SAN , STATION 308-06 , 36-198. N, 125-124. E, DEC. 8.1979, 13.55 KST, DEPTH 60 , COLOR 4, TRANS. 11. ,																	
WAVE 2, SWELL 1, WIND NW 2, BARO 1026.5, AIR TEMP. DRY 11.5, WET . , CLOUD. TYPE AS, AMT 3, WEATHER BC,																	
0	11.97	33.480								0	11.97	33.480		25.44	255	255	.0000
10	11.99	33.500								10	11.99	33.500		25.45	254	254	.0255
20	11.90	33.500								20	11.90	33.500		25.46	252	252	.0508
30	11.95	33.570								30	11.95	33.570		25.51	248	248	.0759
55	12.00	33.680															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA T	D-T	SVA	D DY

KOREA ,HAN RA SAN , STATION 308-07 , 36-198. N, 125-000. E, DEC. 8.1979, 12.05 KST, DEPTH 70 , COLOR 3, TRANS. 12. ,
WAVE 1, SWELL 1, WIND N 1, BARO 1023. , AIR TEMP. DRY 12.0, WET . , CLOUD. TYPE AS, AMT 5, WEATHER BC,

0	12.05	33.620							0	12.05	33.620	25.53	246	246	.0000
10	12.10	33.620							10	12.10	33.620	25.52	247	247	.0247
20	12.00	33.640							20	12.00	33.640	25.55	244	244	.0493
30	11.90	33.680							30	11.90	33.680	25.60	239	239	.0735
50	11.88	33.700							50	11.88	33.700	25.62	237	238	.1214
65	11.92	33.750													

KOREA , ,HAN RA SAN , STATION 308-08 , 36-198. N, 124-47½. E, DEC. 8.1979, 10.20 KST, DEPTH 75 , COLOR 3, TRANS. 12. ,
WAVE 1, SWELL 1, WIND N 1, BARO 1028. , AIR TEMP. DRY 10.7, WET . , CLOUD. TYPE AC, AMT 6, WEATHER BC,

0	11.82	33.550							0	11.82	33.550	25.52	247	247	.0000
10	11.85	33.570							10	11.85	33.570	25.53	246	246	.0247
20	11.70	33.570							20	11.70	33.570	25.56	244	244	.0495
30	11.60	33.590							30	11.60	33.590	25.59	240	241	.0736
50	11.50	33.600							50	11.50	33.600	25.65	234	235	.1212
70	11.42	33.680													

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,HAN RA SAN , STATION 308-09 , 36-198. N, 124-351. E, DEC. 8.1979, 08.30 KST, DEPTH 83 , COLOR 3, TRANS. 13. ,

WAVE 1, SWELL 1, WIND N 1, BARO 1023. , AIR TEMP. DRY 9.0, WET . , CLOUD. TYPE AC, AMT 7, WEATHER BC,

0	11.70	33.400								0	11.70	33.400		25.42	256	256	.0000
10	11.58	33.500								10	11.58	33.500		25.52	247	247	.0252
20	11.31	33.600								20	11.31	33.600		25.65	235	235	.0493
30	11.02	33.620								30	11.02	33.620		25.72	228	228	.0725
50	10.75	33.620								50	10.75	33.620		25.77	224	224	.1179
80	10.12	33.630															

KOREA ,HAN RA SAN , STATION 308-10 , 36-198. N, 124-230. E, DEC. 8.1979, 06.40 KST, DEPTH 80 , COLOR , TRANS. . ,

WAVE 2, SWELL 1, WIND NW 2, BARO 1027. , AIR TEMP. DRY 7.0, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	11.32	33.400								0	11.32	33.400		25.49	250	249	.0000
10	11.04	33.400								10	11.04	33.400		25.54	245	245	.0247
20	10.99	33.370								20	10.99	33.370		25.53	246	246	.0493
30	10.74	33.390								30	10.74	33.390		25.59	240	241	.0737
50	10.62	33.400								50	10.62	33.400		25.62	238	238	.1217
75	9.98	33.460															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

2 월 (February)

KOREA ,HAN RA SAN , STATION 309-01 , 35-513. N, 126-147. E, FEB.19.1979, 08.10 KST, DEPTH 29 , COLOR 7, TRANS. 4. ,

WAVE 3, SWELL . 3, WIND S 6, BARO 1021. , AIR TEMP. DRY 5.0, WET . , CLOUD. TYPE AC, AMT 3, WEATHER BC,

0	5.45	32.610							0	5.45	32.610	25.75	225	224	.0000
10	5.32	32.590							10	5.32	32.590	25.75	225	225	.0225
20	5.28	32.640							20	5.28	32.640	25.80	221	220	.0448
25	5.40	32.610													

KOREA ,HAN RA SAN , STATION 309-02 , 35-513. N, 126-020. E, FEB.19.1979, 09.50 KST, DEPTH 44 , COLOR 7, TRANS. 4. ,

WAVE 4, SWELL 3, WIND S 6, BARO 1020.5, AIR TEMP. DRY 6.5, WET . , CLOUD. TYPE AC, AMT 4, WEATHER BC,

0	6.35	32.610							0	6.35	32.610	25.65	235	235	.0000
10	6.25	32.630							10	6.25	32.630	25.67	232	232	.0234
20	6.17	32.650							20	6.17	32.650	25.70	230	230	.0466
30	6.12	32.780							30	6.12	32.780	25.81	220	220	.0691
40	6.23	32.750													

KOREA ,HAN RA SAN , STATION 309-03 , 35-513. N, 125-493. E, FEB.21.1979, 06.15 KST, DEPTH 46 , COLOR , TRANS. . ,

WAVE 1, SWELL 1, WIND SW 1, BARO 1013. , AIR TEMP. DRY 8.5, WET . , CLOUD. TYPE NS, AMT 9, WEATHER F ,

0	6.98	32.630							0	6.98	32.680	25.62	238	237	.0000
10	6.67	32.770							10	6.67	32.770	25.73	227	227	.0233
20	6.65	32.760							20	6.65	32.760	25.72	228	227	.0460
30	6.55	32.760							30	6.55	32.760	25.74	226	226	.0688
43	6.64	32.760													

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-D
KOREA ,HAN RA SAN , STATION 309-04 , 35-513. N, 125-370. E, FEB.21.1979, 07.50 KST, DEPTH 53 , COLOR 4, TRANS. 9.5,																	
WAVE 2, SWELL 1, WIND NE 2, BARO 1013. , AIR TEMP. DRY 9.0, WET . , CLOUD. TYPE NS, AMT 9, WEATHER F ,																	
0	7.40	32.810								0	7.40	32.810		25.66	233	233	.0000
10	7.04	32.820								10	7.04	32.820		25.72	228	228	.0231
20	7.02	32.840								20	7.02	32.840		25.73	228	228	.0457
30	7.03	32.850								30	7.03	32.850		25.72	228	228	.0683
50	7.20	32.910															
KOREA ,HAN RA SAN , STATION 309-05 , 35-513. N, 125-244. E, FEB.21.1979, 09.25 KST, DEPTH 59 , COLOR 4, TRANS. 9.5,																	
WAVE 3, SWELL 2, WIND E 2, BARO 1015.5, AIR TEMP. DRY 9.5, WET . , CLOUD. TYPE NS, AMT 8, WEATHER F ,																	
0	7.62	32.890								0	7.62	32.890		25.69	230	230	.0000
10	7.35	32.880								10	7.55	32.880		25.72	228	227	.0229
20	7.34	32.910								20	7.34	32.910		25.75	225	225	.0456
30	7.25	32.890								30	7.25	32.890		25.75	225	226	.0682
50	7.22	32.910								50	7.22	32.910		25.77	224	224	.1134
55	7.34	32.950															
KOREA ,HAN RA SAN , STATION 309-06 , 35-513. N, 125-123. E, FEB.21.1979, 11.05 KST, DEPTH 67 , COLOR 4, TRANS. 9.5,																	
WAVE 3, SWELL 2, WIND SE 2, BARO 1016. , AIR TEMP. DRY 10.0, WET . , CLOUD. TYPE NS, AMT 8, WEATHER F ,																	
0	8.02	32.930								0	8.02	32.930		25.88	234	235	.0000
10	7.84	32.980								10	7.84	32.980		25.73	227	227	.0230
20	7.61	32.960								20	7.61	32.960		25.75	225	225	.0457
30	7.45	33.030								30	7.45	33.030		25.83	218	218	.0679
50	7.41	32.960								50	7.41	32.960		25.78	222	223	.1128

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,HAN RA SAN , STATION 309-07 , 35-513. N, 125-000. E, FEB.21.1979, 12.55 KST, DEPTH 79 , COLOR 5, TRANS. 9. ,																	
WAVE 3, SWELL 3, WIND NE 3, BARO 1015. , AIR TEMP. DRY 9.5, WET . , CLOUD. TYPE NS, AMT 9, WEATHER F ,																	
0	8.10	32.980								0	8.10	32.980		25.70	230	230	.0000
10	8.05	32.980								10	8.05	32.980		25.70	230	229	.0230
20	7.71	32.960								20	7.71	32.960		25.74	226	226	.0459
30	7.51	32.960								30	7.51	32.960		25.77	224	224	.0684
50	7.48	32.950								50	7.48	32.950		25.76	224	224	.1133
75	7.61	32.950															
KOREA ,HAN RA SAN , STATION 309-08 , 35-513. N, 124-478. E, FEB.21.1979, 14.45 KST, DEPTH 73 , COLOR 5, TRANS. 8. ,																	
WAVE 3, SWELL 2, WIND SE 3, BARO 1015. , AIR TEMP. DRY 9.0, WET . , CLOUD. TYPE NS, AMT 9, WEATHER F ,																	
0	8.13	32.920								0	8.13	32.920		25.64	235	235	.0000
10	8.09	32.930								10	8.09	32.930		25.66	234	234	.0235
20	7.96	32.950								20	7.96	32.950		25.69	231	231	.0467
30	7.75	32.980								30	7.75	32.980		25.75	225	226	.0696
50	7.52	32.960								50	7.52	32.960		25.76	224	224	.1147
70	7.56	32.960															
KOREA ,HAN RA SAN , STATION 309-09 , 35-513. N, 124-351. E, FEB.21.1979, 16.35 KST, DEPTH 82 , COLOR 6, TRANS. 8.5,																	
WAVE 3, SWELL 3, WIND NE 4, BARO 1015.5, AIR TEMP. DRY 9.5, WET . , CLOUD. TYPE NS, AMT 9, WEATHER F ,																	
0	8.30	32.960								0	8.30	32.960		25.65	235	234	.0000
10	8.21	32.950								10	8.21	32.960		25.66	233	233	.0234
20	8.04	32.930								20	8.04	32.930		25.67	233	233	.0468
30	8.29	32.910								30	8.29	32.910		25.61	238	238	.0704
50	7.97	32.930								50	7.97	32.930		25.68	232	233	.1176
80	7.76	32.970															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D T	SVA	D-DY
KOREA ,HAN RA SAN , STATION 309-10 , 35-513. N, 124-223. E, FEB.21.1979, 18.20 KST, DEPTH 37 , COLOR , TRANS. . ,																	
WAVE 3, SWELL 3, WIND NE 4, BARO 1016. , AIR TEMP. DRY 8.8, WET . , CLOUD. TYPE NS, AMT 10, WEATHER F ,																	
0	8.24	32.950								0	8.24	32.950		25.65	234	234	.0000
10	8.27	32.950								10	8.27	32.950		25.65	235	235	.0231
20	8.15	32.970								20	8.15	32.970		25.68	232	233	.0469
30	8.41	32.950								30	8.41	32.950		25.63	237	237	.0704
50	8.26	32.950								50	8.26	32.950		25.65	235	235	.1177
75	7.99	32.940								75	7.99	32.940		25.68	232	233	.1765
35	7.37	32.930															

4 월 (April)

KOREA ,HAN RA SAN , STATION 309-01 , 35-513. N, 126-147. E, APR.10.1979, 14.50 KST, DEPTH 28 , COLOR 6, TRANS. 4. ,
WAVE 3, SWELL 3, WIND S 3, BARO 1020. , AIR TEMP. DRY 9.0, WET . , CLOUD. TYPE CI, AMT 2, WEATHER B ,

0	8.00	32.820								0	8.00	32.820		25.59	241	240	.0000
10	7.80	32.840								10	7.80	32.840		25.63	237	236	.0239
20	7.80	32.850								20	7.80	32.850		25.64	236	236	.0476
25	7.75	32.890															

KOREA ,HAN RA SAN , STATION 309-02 , 35-513. N, 126-020. E, APR.10.1979, 16.30 KST, DEPTH 45 , COLOR 6, TRANS. 5. ,
WAVE 3, SWELL 3, WIND S 3, BARO 1018. , AIR TEMP. DRY 8.5, WET . , CLOUD. TYPE CI, AMT 2, WEATHER B ,

0	7.69	32.950								0	7.69	32.950		25.73	227	227	.0000
10	7.56	32.960								10	7.56	32.960		25.76	224	224	.0226
20	7.55	32.950								20	7.55	32.950		25.75	225	225	.0451
30	7.48	32.960								30	7.48	32.960		25.77	223	223	.0676
47	7.40	32.94															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D DY

KOREA ,HAN RA SAN , STATION 309-03 , 35-513. N, 125-493., E, APR.12.1979, 06.30 KST, DEPTH 53 , COLOR 5, TRANS. 12. ,

WAVE 1, SWELL 1, WIND S 1, BARO 1022.5, AIR TEMP. DRY 7.7, WET . , CLOUD. TYPE AS, AMT 1, WEATHER B ,

0	7.75	32.980								0	7.75	32.980	25.75	225	225	.0000
10	7.60	32.990								10	7.60	32.990	25.78	223	223	.0224
20	7.64	33.010								20	7.64	33.010	25.79	222	222	.0447
30	7.59	32.990								30	7.59	32.990	25.78	223	223	.0670
50	7.58	33.010														

KOREA ,HAN RA SAN , STATION 309-04 , 35-513. N, 125-370. E, APR.12.1979, 08.15 KST, DEPTH 54 , COLOR 3, TRANS. 14. ,

WAVE 1, SWELL 1, WIND WSW 1, BARO 1024. , AIR TEMP. DRY 9.5, WET . , CLOUD. TYPE AS, AMT 1, WEATHER B ,

0	8.00	33.090								0	8.00	33.090	25.80	221	220	.0000
10	7.84	33.110								10	7.84	33.110	25.84	217	217	.0219
20	7.80	33.100								20	7.80	33.100	25.83	217	217	.0437
30	7.76	33.090								30	7.76	33.090	25.83	217	218	.0654
50	7.77	33.130														

KOREA ,HAN RA SAN , STATION 309-05 , 35-513. N, 125-244. E, APR.12.1979, 10.00 KST, DEPTH 68 , COLOR 3, TRANS. 18. ,

WAVE 1, SWELL 1, WIND S 1, BARO 1024. , AIR TEMP. DRY 12.5, WET . , CLOUD. TYPE AS, AMT 1, WEATHER B ,

0	8.50	33.140								0	8.50	33.140	25.76	224	224	.0000
10	8.60	33.120								10	8.60	33.120	25.73	227	227	.0226
20	8.20	33.100								20	8.20	33.100	25.78	223	223	.0451
30	7.72	33.110								30	7.72	33.110	25.85	215	215	.0677
50	7.70	33.130								50	7.70	33.130	25.87	214	214	.1101
65	7.65	33.134														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D T	SVA	D DY
KOREA ,HAN RA SAN , STATION 309-06 , 35-513. N, 125-123. E, APR.12.1979, 11.50 KST, DEPTH 62 , COLOR 3, TRANS. 18. ,																	
WAVE 1, SWELL 1, WIND SW 2, BARO 1024. , AIR TEMP. DRY 11.2, WET . , CLOUD. TYPE AS, AMT 2, WEATHER B ,																	
0	9.00	33.160								0	9.00	33.160		25.70	230	230	.0000
10	8.60	33.150								10	8.60	33.150		25.75	225	225	.0226
20	7.96	33.170								20	7.96	33.170		25.87	214	214	.0448
30	7.84	33.170								30	7.84	33.170		[illegible]	213	213	.0661
50	7.79	33.170								50	7.79	33.170		[illegible]	214	214	.1097
60	7.80	33.180															
KOREA ,HAN RA SAN , STATION 309-07 , 35-513. N, 125-000. E, APR.12.1979, 13.40 KST, DEPTH 68 , COLOR 3, TRANS. 18. ,																	
WAVE 1, SWELL 1, WIND SE 1, BARO 1021. , AIR TEMP. DRY 13.5, WET . , CLOUD. TYPE CI, AMT 1, WEATHER B ,																	
0	9.00	33.110								0	9.00	33.110		25.66	234	233	.0000
10	8.60	33.100								10	8.60	33.100		25.72	228	228	.0231
20	7.83	33.110								20	7.83	33.110		25.84	217	217	.0454
30	7.77	33.140								30	7.77	33.140		25.87	214	214	.0670
50	7.70	33.130								50	7.70	33.130		25.87	214	214	.1099
65	7.68	33.150															
KOREA ,HAN RA SAN , STATION 309-08 , 35-513. N, 124-47[illegible]. E, APR.12.1979, 15.30 KST, DEPTH [illegible]2 , COLOR 3, TRANS. 19. ,																	
WAVE 1, SWELL 1, WIND ESE 2, BARO 1020. , AIR TEMP. DRY 13.5, WET . , CLOUD. TYPE CI, AMT 3, WEATHER BC,																	
0	9.35	33.080								0	9.35	33.080		25.58	241	241	.0000
10	8.50	32.090								10	8.50	32.090		24.94	302	302	.0272
20	8.13	32.980								20	8.13	32.980		25.69	231	231	.0537
30	8.10	32.090								30	8.10	32.090		25.00	297	297	.0803
50	7.67	33.06[illegible]								50	7.67	33.060		25.82	218	219	.1319

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,HAN RA SAN , STATION 309-09 , 35-513. N, 124-351. E, APR.12.1979, 17.20 KST, DEPTH 82 , COLOR 3, TRANS. 19. ,

WAVE 1, SWELL 1, WIND SE 2, BARO 1019.5, AIR TEMP. DRY 14.5, WET . , CLOUD. TYPE CI, AMT 3, WEATHER BC,

0	9.49	33.110								0	9.49	33.110		25.58	241	241	.0000
10	8.79	33.090								10	8.79	33.090		25.68	232	232	.0237
20	8.37	33.140								20	8.37	33.140		25.78	222	222	.0464
30	8.32	33.140								30	8.32	33.140		25.79	221	222	.0687
50	7.72	33.140								50	7.72	33.140		25.88	213	214	.1123
80	7.78	33.080															

KOREA ,HAN RA SAN , STATION 309-10 , 35-513. N, 124-228. E, APR.12.1979, 19.10 KST, DEPTH 88 , COLOR , TRANS. . ,

WAVE 2, SWELL 1, WIND SE 4, BARO 1020. , AIR TEMP. DRY 13.5, WET . , CLOUD. TYPE CI, AMT 2, WEATHER B ,

0	9.55	33.080								0	9.55	33.080		25.55	244	244	.0000
10	8.96	32.090								10	8.96	32.090		24.87	309	309	.0277
20	8.45	32.090								20	8.45	32.090		24.95	301	301	.0582
30	8.46	33.050								30	8.46	33.050		25.70	230	230	.0849
50	7.84	33.030								50	7.84	33.030		25.77	223	223	.1303
75	7.89	33.080								75	7.89	33.080		25.81	220	221	.1860
85	7.85	33.070															

6 월 (June)

KOREA ,HAN RA SAN , STATION 309-01 , 35-513. N, 126-147. E, JUN.12.1979, 04.00 KST, DEPTH 32 , COLOR , TRANS. . ,

WAVE 1, SWELL 2, WIND W 1, BARO 1011. , AIR TEMP. DRY 14.5, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	16.30	32.550								0	16.30	32.550		23.82	409	409	.0000
10	15.60	32.580								10	15.60	32.580		24.00	392	392	.0401
20	15.58	32.720								20	15.58	32.720		24.11	381	381	.0793
30	15.60	32.660															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,HAN RA SAN , STATION 309-02 , 35-513. N, 126-020. E, JUN.12.1979, 05.40 KST, DEPTH 43 , COLOR 5, TRANS. 11. ,

WAVE 1, SWELL 2, WIND W 1, BARO 1011.5, AIR TEMP. DRY 15.0, WET . , CLOUD. TYPE CI, AMT 2, WEATHER B ,

0	16.54	32.690								0	16.54	32.690		23.87	404	404	.0000
10	15.42	32.720								10	15.42	32.720		24.15	378	378	.0391
20	14.36	32.770								20	14.36	32.770		24.41	352	353	.0757
30	14.14	32.810								30	14.14	32.810		24.49	345	346	.1107
40	14.15	32.820															

KOREA ,HAN RA SAN , STATION 309-03 , 35-513. N, 125-493. E, JUN.12.1979, 07.20 KST, DEPTH 52 , COLOR 3, TRANS. 16. ,

WAVE 1, SWELL 1, WIND W 1, BARO 1011.5, AIR TEMP. DRY 16.2, WET . , CLOUD. TYPE CI, AMT 2, WEATHER B ,

0	17.75	32.550								0	17.75	32.550		23.48	441	441	.0000
10	17.35	32.850								10	17.35	32.850		23.80	410	410	.0426
20	11.70	33.010								20	11.70	33.010		25.12	285	285	.0774
30	11.38	33.000								30	11.38	33.000		25.17	280	280	.1058
50	11.30	32.870															

KOREA ,HAN RA SAN , STATION 309-04 , 35-513. N, 125-370. E, JUN.12.1979, 09.05 KST, DEPTH 55 , COLOR 4, TRANS. 16. ,

WAVE 1, SWELL 1, WIND W 1, BARO 1011.5, AIR TEMP. DRY 19.2, WET . , CLOUD. TYPE CI, AMT 1, WEATHER B ,

0	17.84	32.770								0	17.84	32.770		23.63	427	427	.0000
10	17.00	32.850								10	17.00	32.850		23.89	402	402	.0415
20	10.78	33.060								20	10.78	33.060		25.33	265	266	.0750
30	10.63	32.980								30	10.63	32.980		25.29	269	269	.1018
52	10.60	33.100															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,HAN RA SAN , STATION 309-05 , 35-513. N, 125-244. E, JUN.12.1979, 10.50 KST, DEPTH 67 , COLOR 4, TRANS. 19. ,

WAVE 1, SWELL 1, WIND NW 1, BARO 1012.5, AIR TEMP. DRY 19.0, WET . , CLOUD. TYPE CI, AMT 2, WEATHER B ,

0	17.85	32.810								0	17.85	32.810		23.65	425	424	.0000
10	17.60	32.540								10	17.60	32.540		23.51	439	439	.0432
20	9.80	33.040								20	9.80	33.040		25.48	251	251	.0777
30	9.60	33.060								30	9.60	33.060		25.53	246	247	.1077
50	9.50	33.080								50	9.50	33.080		25.56	243	244	.1517
65	9.50	33.130															

KOREA ,HAN RA SAN , STATION 309-06 , 35-515. N, 125-123. E, JUN.12.1979, 12.40 KST, DEPTH 65 , COLOR 3, TRANS. 20. ,

WAVE 1, SWELL 1, WIND NW 1, BARO 1012. , AIR TEMP. DRY 19.7, WET . , CLOUD. TYPE CI, AMT 1, WEATHER B ,

0	17.90	32.830								0	17.90	32.830		23.66	424	424	.0000
10	17.75	32.800								10	17.75	32.800		23.67	423	423	.0424
20	15.00	32.870								20	15.00	32.870		24.35	358	358	.0815
30	8.96	33.030								30	8.96	33.030		25.60	239	239	.1115
50	8.90	32.980								50	8.90	32.980		25.58	242	242	.1597
62	8.92	33.130															

DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,HAN RA SAN , STATION 309-07 , 35-515. N, 125-000. E, JUN.12.1979, 14.30 KST, DEPTH 70 , COLOR 3, TRANS. 19. ,

WAVE 1, SWELL 1, WIND NW 1, BARO 1012. , AIR TEMP. DRY 19.5, WET . , CLOUD. TYPE CI, AMT 1, WEATHER B ,

0	18.00	32.690								0	18.00	32.690		23.53	437	437	.0000
10	17.68	32.660								10	17.68	32.660		23.58	432	432	.0434
20	14.14	32.910								20	14.14	32.910		24.57	338	338	.0834
30	8.98	33.030								30	8.98	33.030		25.60	239	239	.1109
50	8.48	33.110								50	8.48	33.110		25.74	226	227	.1576
65	8.50	33.110															

OBSERVED									INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA ,HAN RA SAN , STATION 309-08 , 35-513. N, 124-478. E, JUN.12.1979, 16.20 KST, DEPTH 82 , COLOR 3, TRANS. 17. ,																	
WAVE 1, SWELL 1, WIND SW 1, BARO 1011. , AIR TEMP. DRY 19.5, WET . , CLOUD. TYPE CI, AMT 1, WEATHER B ,																	
0	18.40	32.550								0	18.40	32.550		23.32	456	456	.0000
10	17.23	32.790								10	17.23	32.790		23.79	412	412	.0435
20	14.25	32.840								20	14.25	32.840		24.49	345	345	.0814
30	8.40	32.900								30	8.40	32.900		25.59	240	241	.1107
50	8.32	33.030								50	8.32	33.030		25.70	230	230	.1579
80	8.35	34.110															
KOREA ,HAN RA SAN , STATION 309-09 , 35-513. N, 124-351. E, JUN.12.1979, 18.40 KST, DEPTH 83 , COLOR 3, TRANS. 19. ,																	
WAVE 1, SWELL 1, WIND SW 1, BARO 1011. , AIR TEMP. DRY 20.5, WET . , CLOUD. TYPE CI, AMT 1, WEATHER B ,																	
0	18.25	32.760								0	18.25	32.760		23.52	438	437	.0000
10	17.50	33.000								10	17.50	33.000		23.88	403	403	.0421
20	14.36	32.810								20	14.36	32.810		24.44	350	350	.0797
30	8.52	32.910								30	8.52	32.910		25.58	241	242	.1094
50	8.37	33.100								50	8.37	33.100		25.75	225	226	.1562
75	8.24	33.070															
KOREA ,HAN RA SAN , STATION 309-10 , 35-513. N, 124-228. E, JUN.12.1979, 20.00 KST, DEPTH 85 , COLOR 3, TRANS. 10. ,																	
WAVE 1, SWELL 1, WIND SW 1, BARO 1011. , AIR TEMP. DRY 19.5, WET . , CLOUD. TYPE CI, AMT 2, WEATHER B ,																	
0	18.04	32.820								0	18.04	32.820		23.62	428	428	.0000
10	17.18	32.910								10	17.18	32.910		23.89	402	402	.0416
20	14.17	32.970								20	14.17	32.970		24.61	334	334	.0784
30	8.50	32.970								30	8.50	32.970		25.63	237	237	.1070
50	8.42	33.110								50	8.42	33.110		25.75	225	226	.1534
75	8.33	33.130								75	8.33	33.130		25.78	222	223	.2096
83	8.15	33.240															

8월 (August)

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,HAN RA SAN , STATION 309-01 , 35-513. N, 126-147. E, AUG. 9.1979, 03.55 KST, DEPTH 31 , COLOR , TRANS. ,

WAVE 1, SWELL 1, WIND S 1, BARO 1013. , AIR TEMP. DRY 23.5, WET , CLOUD. TYPE , AMT , WEATHER ,

0	25.15	33.440								0	25.15	33.440		22.14	569	569	.0000
10	22.65	33.640								10	22.65	33.640		23.02	485	485	.0527
20	21.27	33.680								20	21.27	33.680		23.44	445	446	.0993
28	21.40	33.710															

KOREA ,HAN RA SAN , STATION 309-02 , 35-513. N, 126-020. E, AUG. 9.1979, 05.35 KST, DEPTH 43 , COLOR , TRANS. ,

WAVE 1, SWELL 1, WIND S 1, BARO 1013. , AIR TEMP. DRY 24.0, WET , CLOUD. TYPE , AMT , WEATHER ,

0	24.80	33.590								0	24.80	33.590		22.36	548	548	.0000
10	23.93	33.620								10	23.93	33.620		22.64	522	522	.0535
20	21.83	33.660								20	21.83	33.660		23.27	461	462	.1028
30	19.61	34.000								30	19.61	34.000		24.12	380	381	.1449
40	19.22	34.070															

KOREA ,HAN RA SAN , STATION 309-03 , 35-513. N, 125-493. E, AUG. 9.1979, 07.15 KST, DEPTH 54 , COLOR 4, TRANS. 14. ,

WAVE 1, SWELL 1, WIND S 1, BARO 1013. , AIR TEMP. DRY 25.5, WET , CLOUD. TYPE CI, AMT 3, WEATHER BC,

0	26.08	33.100								0	26.08	33.100		21.60	621	621	.0000
10	22.90	33.690								10	22.90	33.690		22.99	488	488	.0555
20	19.10	34.160								20	19.10	34.160		24.37	356	356	.0978
30	18.90	34.270								30	18.90	34.270		24.51	343	344	.1328
50	17.97	34.290															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,HAN RA SAN , STATION 309-04 , 35-513. N, 125-370. E, AUG. 9.1979, 09.00 KST, DEPTH 57 , COLOR 4, TRANS. 12.																	
WAVE 1, SWELL 1, WIND S 1, BARO 1013. , AIR TEMP. DRY 26.5, WET . , CLOUD. TYPE CI, AMT 3, WEATHER BC,																	
0	26.27	33.100								0	26.27	33.100		21.54	627.	627	.0000
10	24.70	33.120								10	24.70	33.120		22.04	579	580	.0604
20	18.10	34.130								20	18.10	34.130		24.60	334	335	.1064
30	17.40	34.200								30	17.40	34.200		24.82	313	314	.1386
55	17.20	34.310															
KOREA ,HAN RA SAN , STATION 309-05 , 35-513. N, 125-244. E, AUG. 9.1979, 10.45 KST, DEPTH 66 , COLOR 4, TRANS. 13. ,																	
WAVE 1, SWELL 1, WIND S 2, BARO 1013. , AIR TEMP. DRY 26.8, WET . , CLOUD. TYPE CI, AMT 3, WEATHER BC,																	
0	26.35	33.260								0	26.35	33.260		21.64	618	617	.0000
10	26.12	33.210								10	26.12	33.210		21.67	614	614	.0616
20	20.75	33.890								20	20.75	33.890		23.74	417	417	.1133
30	16.80	34.360								30	16.80	34.360		25.09	288	289	.1486
9	15.97	34.490								50	15.97	34.490		25.38	260	261	.2037
63	16.10	34.510															
KOREA ,HAN RA SAN , STATION 309-06 , 35-513. N, 125-123. E, AUG. 9.1979, 12.35 KST, DEPTH 64 , COLOR 3, TRANS. 18. ,																	
WAVE 1, SWELL 1, WIND S 1, BARO 1013. , AIR TEMP. DRY 26.7, WET . , CLOUD. TYPE CI, AMT 3, WEATHER BC,																	
0	26.60	33.420								0	26.60	33.420		21.68	614	615	.0000
10	24.15	33.420								10	24.15	33.420		22.42	542	542	.0578
20	21.63	33.960								20	21.63	33.960		23.55	434	435	.1067
30	16.82	34.380								30	16.82	34.380		25.10	287	288	.1429
50	14.93	34.470								50	14.93	34.470		25.60	240	241	.1958
60	14.50	34.430															

OBSERVED										INTERPOLATED				CALCULA. .			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N.	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,HAN RA SAN , STATION 309-07 , 35-51S. N, 125-00. E, AUG. 9.1979, 14.25 KST, DEPTH 65 , COLOR 3, TRANS. 17.5,

WAVE 1, SWELL 1, WIND S 1, BARO 1013. , AIR TEMP. DRY 28.0, WET . , CLOUD. TYPE CI, AMT 3, WEATHER BC,

0	26.78	33.190	0	26.78	33.190	21.45	636	635	.0000
10	25.60	33.390	10	25.60	33.390	21.97	586	586	.0611
20	22.78	33.550	20	22.78	33.550	22.92	495	495	.1152
30	19.40	34.180	30	19.40	34.180	24.31	362	363	.1582
50	13.20	34.310	50	13.20	34.310	25.84	217	218	.2163
63	13.03	34.340							

KOREA ,HAN RA SAN , STATION 309-08 , 35-51S. N, 124-47S. E, AUG. 9.1979, 16.15 KST, DEPTH 80 , COLOR 3, TRANS. 18.

WAVE 1, SWELL 1, WIND S 1, BARO 1012. , AIR TEMP. DRY 26.5, WET . , CLOUD. TYPE CI, AMT 2, WEATHER B ,

0	26.50	33.330	0	26.50	33.330	21.64	617	617	.0000
10	25.12	33.150	10	25.12	33.150	21.93	589	589	.0604
20	21.90	33.750	20	21.90	33.750	23.32	457	457	.1127
30	16.54	34.400	30	16.54	34.400	25.18	279	280	.1496
50	11.60	34.420	50	11.60	34.420	26.23	179	180	.1957
75	11.40	34.110							

KOREA ,HAN RA SAN , STATION 309-09 , 35-51S. N, 124-55. E, AUG. 9.1979, 18.05 KST, DEPTH 80 , COLOR 3, TRANS. 18. ,

WAVE 1, SWELL 1, WIND S 1, BARO 1012. , AIR TEMP. DRY 27.0, WET . , CLOUD. TYPE CI, AMT 1, WEATHER B ,

0	26.70	33.120	0	26.70	33.120	21.42	638	638	.0000
10	25.86	33.300	10	25.86	33.300	21.82	600	600	.0620
20	23.45	33.370	20	23.45	33.370	22.59	526	527	.1184
30	16.90	34.160	30	16.90	34.160	24.91	305	305	.1600
50	12.87	34.310	50	12.87	34.310	25.90	211	211	.2118
75	12.75	34.360							

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2 N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,HAN RA SAN , STATION 309-10 , 35-513. N, 124-228. E, AUG. 9.1979, 19.55 KST, DEPTH 84 , COLOR 3, TRANS. 21. ,

WAVE 1, SWELL 1, WIND S 1, BARO 1012. , AIR TEMP. DRY 26.0, WET . , CLOUD. TYPE CI, AMT 1, WEATHER B ,

0	26.80	33.390							0	26.80	33.390	21.59	622	622	.0000
10	25.98	33.350							10	25.98	33.350	21.82	600	600	.0611
20	24.60	33.210							20	24.60	33.210	22.13	570	570	.1197
30	13.04	33.860							30	18.54	33.860	24.39	374	375	.1670
50	10.35	34.110							50	10.35	34.110	26.22	181	181	.2227
75	9.25	33.950							75	9.25	33.950	26.28	175	176	.2676
80	9.14	33.910													

10 월 (October)

KOREA ,CHUN MA SAN , STATION 309-01 , 35-513. N, 126-147. E, OCT.14.1979, 19.10 KST, DEPTH 28 , COLOR , TRANS. , ,

WAVE 3, SWELL 1, WIND NW 4, BARO 1016.5, AIR TEMP. DRY 18.5, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	19.01	32.860							0	19.01	32.860	23.41	448	448	.0000
10	18.99	32.990							10	18.99	32.990	23.51	438	438	.0444
20	19.02	33.120							20	19.02	33.120	23.60	430	430	.0878
25	18.87	33.220													

KOREA ,CHUN MA SAN , STATION 309-02 , 35-513. N, 126-020. E, OCT.14.1979, 17.30 KST, DEPTH 43 , COLOR 5, TRANS. 13. ,

WAVE 3, SWELL 1, WIND NW 4, BARO 1016.7, AIR TEMP. DRY 20.0, WET . , CLOUD. TYPE CI, AMT 1, WEATHER B ,

0	18.58	33.170							0	18.58	33.170	23.75	416	415	.0000
10	18.54	33.190							10	18.54	33.190	23.78	413	413	.0415
20	18.49	33.400							20	18.49	33.400	23.95	397	397	.0820
30	18.20	33.420							30	18.20	33.420	24.04	383	389	.1214
40	15.43	33.600													

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,CHUN MA SAN , STATION 309-03 , 35-513. N, 125-493. E, OCT.14.1979, 15.50 KST, DEPTH 52 , COLOR 5, TRANS.

WAVE 2, SWELL 1, WIND N 3, BARO 1017. , AIR TEMP. DRY 19.0, WET . , CLOUD. TYPE CI, AMT 2, WEATHER B ,

0	18.51	33.390								0	18.51	33.390		23.94	398	398	.0000
10	18.26	33.400								10	18.26	33.400		24.01	391	391	.0395
20	18.28	33.460								20	18.28	33.460		24.05	387	388	.0785
30	17.76	33.530								30	17.76	33.530		24.23	370	371	.1165
50	17.59	33.530															

KOREA ,CHUN MA SAN , STATION 309-04 , 35-513. N, 125-370. E, OCT.14.1979, 14.10 KST, DEPTH 54 , COLOR 4, TRANS. 18. ,

WAVE 2, SWELL 1, WIND SE 3, BARO 1017. , AIR TEMP. DRY 18.5, WET . , CLOUD. TYPE AS, AMT 9, WEATHER C ,

0	18.49	33.350								0	18.49	33.350		23.91	400	400	.0000
10	18.18	33.370								10	18.18	33.370		24.00	392	392	.0396
20	16.79	33.730								20	16.79	33.730		24.61	334	334	.0760
30	16.75	33.640								30	16.75	33.640		24.55	339	340	.1097
50	16.19	33.640															

KOREA ,CHUN MA SAN , STATION 309-05 , 35-513. N, 125-244. E, OCT.14.1979, 12.30 KST, DEPTH 67 , COLOR 4, TRANS. 17. ,

WAVE 2, SWELL 1, WIND SE 3, BARO 1018.6, AIR TEMP. DRY 18.2, WET . , CLOUD. TYPE AS, AMT 8, WEATHER C ,

0	18.95	33.280								0	18.95	33.280		23.74	416	416	.0000
10	18.11	33.440								10	18.11	33.440		24.07	385	385	.0401
20	17.08	33.570								20	17.08	33.570		24.42	352	352	.0770
30	16.70	33.680								30	16.70	33.680		24.59	335	336	.1114
50	16.32	33.690								50	16.32	33.690		24.69	326	327	.1779
65	15.99	33.750															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-[

KOREA ,CHUN MA SAN , STATION 309-06 , 35-513. N, 125-123. E, OCT.14.1979, 10.50 KST, DEPTH 64 , COLOR 3, TRANS. 18. ,

WAVE 2, SWELL 1, WIND E 3, BARO 1013.5, AIR TEMP. DRY 18.0, WET . , CLOUD. TYPE AS, AMT 9, WEATHER C ,

0	18.86	33.280								0	18.86	33.280		23.76	414	414	.0000
10	18.74	33.260								10	18.74	33.260		23.78	413	413	.0414
20	18.69	33.280								20	18.69	33.280		23.81	410	410	.0826
30	16.29	33.600								30	16.29	33.600		24.63	332	333	.1198
50	15.49	33.820								50	15.49	33.820		24.97	299	300	.1832
60	15.37	33.820															

KOREA ,CHUN MA SAN , STATION 309-07 , 35-513. N, 125-000. E, OCT.14.1979, 09.50 KST, DEPTH 66 , COLOR 3, TRANS. 16. ,

WAVE 2, SWELL 1, WIND NE 3, BARO 1019. , AIR TEMP. DRY 17.5, WET . , CLOUD. TYPE AS, AMT 9, WEATHER C ,

0	18.90	33.240								0	18.90	33.240		23.72	418	418	.0000
10	18.71	33.2								10	18.71	33.280		23.80	411	411	.0415
20	18.59	33.350								20	18.59	33.350		23.89	403	403	.0822
30	15.63	33.550								30	15.63	33.550		24.74	322	322	.1185
50	14.81	33.730								50	14.81	33.730		25.05	291	292	.1800
63	14.79	33.870															

KOREA ,CHUN MA SAN , STATION 309-08 , 35-513. N, 124-478. E, OCT.14.1979, 07.20 KST, DEPTH 78 , COLOR 3, TRANS. 17. ,

WAVE 2, SWELL 1, WIND NE 3, BARO 1018. , AIR TEMP. DRY 17.5, WET . , CLOUD. TYPE AC, AMT 6, WEATHER BC,

0	18.85	33.390								0	18.85	33.390		23.85	406	406	.0000
10	18.69	33.390								10	18.69	33.390		23.89	402	402	.0404
20	17.62	33.510								20	17.62	33.510		24.24	368	369	.0790
30	17.23	33.530								30	17.23	33.530		24.35	358	359	.1155
50	13.59	33.880								50	13.59	33.880		25.43	256	257	.1771
75	13.67	33.930															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,CHUN MA SAN , STATION 309-09 , 35-513. N, 124-351. E, OCT.14.1979, 05.30 KST, DEPTH 81 , COLOR . , TRANS. . ,

WAVE 2, SWELL 1, WIND SE 3, BARO 1017. , AIR TEMP. DRY 17.0, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	18.42	33.400	0	18.42	33.400	23.97	395	395	.0000
10	18.17	33.480	10	18.17	33.480	24.09	383	383	.0390
20	17.59	33.570	20	17.59	33.570	24.30	363	364	.0764
30	16.81	33.600	30	16.81	33.600	24.51	344	344	.1118
50	13.21	33.870	50	13.21	33.870	25.50	249	250	.1713
78	12.99	33.870							

KOREA ,CHUN MA SAN , STATION 309-10 , 35-513. N, 124-228. E, OCT.14.1979, 03.50 KST, DEPTH 85 , COLOR , TRANS. . ,

WAVE 2, SWELL , WIND SE 3, BARO 1018. , AIR TEMP. DRY 17.0, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	18.40	33.220	0	18.40	33.210	23.83	408	407	.0000
10	18.12	33.500	10	18.12	33.500	24.12	381	381	.0395
20	17.52	33.500	20	17.52	33.500	24.26	367	367	.0769
30	16.72	33.590	30	16.72	33.590	24.52	342	343	.1124
50	12.98	33.630	50	12.98	33.680	25.39	259	260	.1728
75	11.79	33.770	75	11.79	33.770	25.69	230	232	.2344
80	11.40	33.710							

12 월 (December)

KOREA ,HAN RA SAN , STATION 309-01 , 35-513. N, 126-147. E, DEC.12.1979, 09.10 KST, DEPTH 30 , COLOR 6, TRANS. 5. ,

WAVE 4, SWELL 3, WIND NW 4, BARO 1032. , AIR TEMP. DRY 4.2, WET . , CLOUD. TYPE AS, AMT 10, WEATHER C ,

0	11.23	33.460	0	11.23	33.460	25.56	244	243	.0000
10	11.21	33.480	10	11.21	33.480	25.58	242	242	.0243
20	11.23	33.510	20	11.23	33.510	25.60	240	240	.0484
25	11.30	33.570							

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,HAN RA SAN , STATION 309-02 , 35-513. N, 126-020. E, DEC.12.1979, 10.50 KST, DEPTH 43 , COLOR 6, TRANS. 5.5,
WAVE 4, SWELL 3, WIND NW 4, BARO 1032. , AIR TEMP. DRY 6.0, WET . , CLOUD. TYPE AS, AMT 10, WEATHER C ,

0	11.57	33.460							0	11.57	33.460	25.49	249	249	.0000
10	11.60	33.500							10	11.60	33.500	25.52	247	247	.0249
20	11.54	33.590							20	11.54	33.590	25.60	239	239	.0492
30	11.53	33.710							30	11.53	33.710	25.70	230	231	.0728
40	11.53	33.360													

KOREA ,HAN RA SAN , STATION 309-03 , 35-513. N, 125-493. E, DEC.14.1979, 06.20 KST, DEPTH 54 , COLOR , TRANS. . ,
WAVE 1, SWELL 2, WIND NW 2, BARO 1029.5, AIR TEMP. DRY 7.5, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	11.80	33.530							0	11.80	33.530	25.51	248	248	.0000
10	11.86	33.550							10	11.86	33.550	25.51	248	248	.0248
20	11.50	33.570							20	11.50	33.570	25.59	240	240	.0493
30	11.79	33.600							30	11.79	33.600	25.56	243	243	.0735
50	11.85	33.640													

KOREA ,HAN RA SAN , STATION 309-04 , 35-513. N, 125-370. E, DEC.14.1979, 08.05 KST, DEPTH 56 , COLOR 5, TRANS. 7. ,
WAVE 1, SWELL 2, WIND SE 2, BARO 1029.5, AIR TEMP. DRY 9.5, WET . , CLOUD. TYPE AS, AMT 8, WEATHER C ,

0	11.90	33.600							0	11.90	33.600	25.54	245	245	.0000
10	11.95	33.600							10	11.95	33.600	25.53	246	246	.0246
20	11.90	33.620							20	11.90	33.620	25.56	243	244	.0491
30	11.86	33.640							30	11.86	33.640	25.58	241	242	.0734
50	11.90	33.750													

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,HAN RA SAN , STATION 309-05 , 35-513. N, 125-244. E, DEC.14.1979, 09.50 KST, DEPTH 68 , COLOR 5, TRANS. 8. ,

WAVE 1, SWELL 2, WIND SE 2, BARO 1029. , AIR TEMP. DRY 9.3, WET . , CLOUD. TYPE AS, AMT 8, WEATHER C ,

0	12.21	33.710								0	12.21	33.710		25.57	242	242	.0000
10	12.26	33.730								10	12.26	33.730		25.57	242	242	.0242
20	12.30	33.690								20	12.30	33.690		25.54	246	246	.0487
30	12.22	33.730								30	12.22	33.730		25.58	241	242	.0731
50	12.20	33.770								50	12.20	33.770		25.62	238	239	.1212
65	12.23	33.840															

KOREA ,HAN RA SAN , STATION 309-06 , 35-513. N, 125-123. E, DEC.14.1979, 11.40 KST, DEPTH 65 , COLOR 5, TRANS. 8. ,

WAVE 1, SWELL 2, WIND W 2, BARO 1029. , AIR TEMP. DRY 10.0, WET . , CLOUD. TYPE AS, AMT 8, WEATHER C ,

0	12.06	33.680								0	12.06	33.680		25.57	242	242	.0000
10	12.10	33.690								10	12.10	33.690		25.57	24.	242	.0242
20	12.10	33.710								20	12.10	33.710		25.59	240	241	.0484
30	12.05	33.730								30	12.05	33.730		25.61	238	238	.0724
50	12.00	33.730								50	12.00	33.730		25.62	237	238	.1201
60	12.04	33.870															

KOREA ,HAN RA SAN , STATION 309-07 , 35-513. N, 125-000. E, DEC.14.1979, 13.25 KST, DEPTH 68 , COLOR 5, TRANS. 8. ,

WAVE 2, SWELL 2, WIND W 2, BARO 1023.3, AIR TEMP. DRY 9.5, WET . , CLOUD. TYPE AS, AMT 9, WEATHER C ,

0	11.80	33.710								0	11.80	33.710		25.65	235	235	.0000
10	11.98	33.730								10	11.98	33.730		25.63	237	237	.0236
20	12.00	33.750								20	12.00	33.750		25.64	236	236	.0473
30	11.95	33.750								30	11.95	33.750		25.65	235	235	.0709
50	11.90	33.770								50	11.90	33.770		25.67	232	233	.1179
65	11.96	33.960															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO3-N	NO2-N	Si	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,HAN RA SAN , STATION 309-08 , 35-513. N, 124-478. E, DEC.14.1979, 15.15 KST, DEPTH 82 , COLOR 5, TRANS. 7.5,

WAVE 2, SWELL 2, WIND W 3, BARO 1028.5, AIR TEMP. DRY 10.5, WET . , CLOUD. TYPE AS, AMT 10, WEATHER C ,

0	11.93	33.680				0	11.98	33.680	25.59	240	240	.0000
10	12.00	33.710				10	12.00	33.710	25.61	239	239	.0240
20	12.00	33.730				20	12.00	33.730	25.62	237	237	.0478
30	11.91	33.750				30	11.91	33.750	25.6[illegible]	234	234	.0715
50	11.[illegible]	33.750				50	11.50	33.750	25.73	227	228	.1178
80	11.54	33.860										

KOREA ,HAN RA SAN , STATION 309-09 , 35-513. N, 124-351. E, DEC.14.1979, 17.05 KST, DEPTH 80 , COLOR , TRANS. . ,

WAVE 3, SWELL 2, WIND W 3, BARO 1029. , AIR TEMP. DRY 10.0, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	11.99	33.710				0	11.99	33.710	25.61	238	238	.0000
10	12.01	33.730				10	12.01	33.730	25.62	237	237	.0238
20	11.97	33.750				20	11.97	33.750	25.64	235	235	.0475
30	11.18	33.770				30	11.18	33.770	25.81	220	220	.0703
50	10.98	33.820				50	10.98	33.820	25.88	213	213	.1138
77	10.67	33.870										

KOREA ,HAN RA SAN , STATION 309-10 , 35-513. N, 124-228. E, DEC.14.1979, 18.55 KST, DEPTH 87 , COLOR , TRANS. . ,

WAVE 3, SWELL 2, WIND W 3, BARO 1029. , AIR TEMP. DRY 8.8, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	11.93	33.680				0	11.93	33.680	25.60	240	239	.0000
10	11.[illegible]	33.750				10	11.87	33.750	25.66	233	233	.0237
20	11.62	33.710				20	11.62	33.710	25.68	232	232	.0470
30	11.54	33.770				30	11.54	33.770	25.74	226	226	.0700
50	11.31	33.860				50	11.31	33.860	25.85	215	216	.1143
75	10.92	33.960				75	10.92	33.960	26.00	201	203	.1668
85	10.67	33.980										

OCEANOGRAPHIC DATA, LINE 310

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

2 월 (February)

KOREA ,HAN RA SAN , STATION 310-03 , 35-201. N, 125-493. E, FEB.25.1979, 13.55 KST, DEPTH 26 , COLOR 5, TRANS. 2.5,
WAVE 4, SWELL 3, WIND N 3, BARO 1017.6, AIR TEMP. DRY 6.0, WET . , CLOUD. TYPE AC, AMT 7, WEATHER BC,

0	6.58	32.720							0	6.58	32.720	25.70	230	229	.0000
10	5.58	32.800							10	5.58	32.800	25.89	212	212	.0221
20	5.58	32.950							20	5.58	32.950	26.01	201	201	.0428
23	5.80	32.960													

KOREA ,HAN RA SAN , STATION 310-04 , 35-201. N, 125-275. E, FEB.25.1979, 11.40 KST, DEPTH 55 , COLOR 6, TRANS. 3. ,
WAVE 4, SWELL 3, WIND NE 4, BARO 1019. , AIR TEMP. DRY 5.7, WET . , CLOUD. TYPE AC, AMT 7, WEATHER BC,

0	7.80	32.750							0	7.80	32.750	25.56	243	243	.0000
10	6.85	32.730							10	6.85	32.780	25.71	229	228	.0236
20	6.82	32.790							20	6.82	32.790	25.73	227	227	.0465
30	6.95	32.790							30	6.95	32.790	25.71	229	229	.0693
52	6.93	32.810													

KOREA ,HAN RA SAN , STATION 310-05 , 35-201. N, 125-244. E, FEB.22.1979, 07.10 KST, DEPTH 68 , COLOR 6, TRANS. 3.5,
WAVE 4, SWELL 2, WIND NE 6, BARO 1009.5, AIR TEMP. DRY 8.0, WET . , CLOUD. TYPE NS, AMT 9, WEATHER R ,

0	8.35	32.900							0	8.35	32.900	25.60	240	239	.0000
10	8.30	32.910							10	8.30	32.910	25.61	238	238	.0239
20	7.94	32.890							20	7.94	32.890	25.65	235	235	.0476
30	7.91	32.880							30	7.91	32.880	25.65	235	235	.0712
50	8.00	32.330							0	8.00	32.880	25.63	236	237	.1185
65	8.00	32.890													

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,HAN RA SAN , STATION 310-06 , 35-201. N, 125-121. E, FEB.22.1979, 05.35 KST, DEPTH 70 , COLOR . , TRANS. . ,																	
WAVE 4, SWELL 3, WIND NE 5, BARO 1011. , AIR TEMP. DRY 8.1, WET . , CLOUD. TYPE , AMT , WEATHER ,																	
0	8.70	32.910								0	8.70	32.910		25.55	244	244	.0000
10	8.40	32.940								10	8.40	32.940		25.62	237	237	.0241
20	8.15	32.910								20	8.15	32.910		25.63	236	236	.0478
30	8.03	32.940								30	8.03	32.940		25.68	232	232	.0713
50	8.01	32.920								50	8.01	32.920		25.66	233	234	.1180
67	8.12	32.900															
KOREA ,HAN RA SAN , STATION 310-07 , 35-201. N, 125-000. E, FEB.22.1979, 03.55 KST, DEPTH 81 , COLOR , TRANS. . ,																	
WAVE 3, SWELL 3, WIND NE 4, BARO 1011.3, AIR TEMP. DRY 8.0, WET . , CLOUD. TYPE , AMT , WEATHER ,																	
0	8.88	32.890								0	8.88	32.890		25.51	248	248	.0000
10	8.50	32.900								10	8.50	32.900		25.57	242	242	.0245
20	8.07	32.900								20	8.07	32.900		25.64	236	236	.0485
30	7.89	32.910								30	7.89	32.910		25.67	233	233	.0719
50	7.88	32.920								50	7.88	32.920		25.68	232	232	.1185
78	7.99	32.910															
KOREA ,HAN RA SAN , STATION 310-03 , 35-201. N, 125-479. E, FEB.22.1979, 01.15 KST, DEPTH 83 , COLOR , TRANS. . ,																	
WAVE 3, SWELL 3, WIND ENE 4, BARO 1012. , AIR TEMP. DRY 8.2, WET . , CLOUD. TYPE , AMT , WEATHER ,																	
0	8.70	32.880								0	8.70	32.880		25.53	246	246	.0000
10	8.44	32.890								10	8.44	32.890		25.58	242	242	.0244
20	8.20	32.870								20	8.20	32.870		25.60	240	240	.0486
30	7.97	32.900								30	7.97	32.900		25.65	234	235	.0723
50	7.89	32.890								50	7.89	32.890		25.66	234	235	.1193
75	7.87	32.890								75	7.87	32.890		25.66	234	235	.1781
80	7.96	32.890															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D DY

KOREA ,HAN RA SAN , STATION 310-09 , 35-201. N, 124-356. E, FEB.22.1979, 00.30 KST, DEPTH 92 , COLOR , TRANS. , ,

WAVE 3, SWELL 3, WIND NE 3, BARO 1013. , AIR TEMP. DRY 8.3, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	8.92	32.900						0	8.92	32.900	25.51	248	248	.0000
10	8.56	32.930						10	8.56	32.930	25.59	241	240	.0245
20	8.29	32.920						20	8.29	32.920	25.62	237	237	.0484
30	8.01	32.920						30	8.01	32.920	25.66	233	234	.0720
50	8.21	32.920						50	8.21	32.920	25.63	236	237	.1191
75	8.27	32.900						75	8.27	32.900	25.61	239	239	.1788
90	8.31	32.940												

KOREA ,HAN RA SAN , STATION 310-10 , 35-201. N, 124-235. E, FEB.21.1979, 22.45 KST, DEPTH 91 , COLOR , TRANS. , ,

WAVE 3, SWELL 2, WIND NE 3, BARO 1013. , AIR TEMP. DRY 8.5, WET . , CLOUD. TYPE , AMT , WEATHER , ,

0	9.05	32.830						0	9.05	32.830	25.47	251	251	.0000
10	8.78	32.890						10	8.78	32.890	25.52	247	247	.0249
20	8.50	32.870						20	8.50	32.870	25.55	244	244	.0495
30	8.25	32.880						30	8.25	32.880	25.60	240	240	.0738
50	8.51	32.890						50	8.51	32.890	25.56	243	243	.1222
75	8.56	32.880						75	8.56	32.880	25.55	244	245	.1834
88	8.55	32.880												

4 월 (April)

K EA ,HAN RA SAN , STATION 310-03 , 35-201. N, 125-493. E, APR.15.1979, 01.35 KST, DEPTH 27 , COLOR , TRANS. , ,

WAVE 2, SWELL 1, WIND S 2, BARO 1024. , AIR TEMP. DRY 10.0, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	11.20	32.810						0	11.20	32.810	25.06	291	291	.0000
10	8.60	32.830						10	8.60	32.830	25.50	249	248	.0270
20	8.48	32.890						20	8.48	32.890	25.57	242	242	.0516
25	8.48	32.890												

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D

KOREA ,HAN RA SAN , STATION 310-04 , 35-201. N, 125-265. E, APR.14.1979, 23.50 KST, DEPTH 56 , COLOR , TRANS. , ,

WAVE 2, SWELL 1, WIND S 1, BARO 1024. , AIR TEMP. DRY 10.5, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	9.60	33.160								0	9.60	33.160		25.60	239	239	.0000
10	8.40	33.160								10	8.40	33.160		25.79	221	221	.0230
20	8.42	33.150								20	8.42	33.150		25.78	222	222	.0452
30	8.23	33.160								30	8.23	33.160		25.82	219	219	.0673
56	8.20	33.160															

KOREA ,HAN RA SAN , STATION 310-05 , 35-201. N, 125-244. E, APR.14.1979, 22.00 KST, DEPTH 70 , COLOR , TRANS. , ,

WAVE 2, SWELL 1, WIND SW 1, BARO 1024. , AIR TEMP. DRY 10.0, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	10.95	33.170								0	10.95	33.170		25.38	260	260	.0000
10	9.10	33.170								10	9.10	33.170		25.69	231	231	.0246
20	8.30	33.170								20	8.30	33.170		25.82	219	219	.0471
30	8.12	33.170								30	8.12	33.170		25.84	218	217	.0689
50	8.08	33.200								50	8.08	33.200		25.87	214	214	.1121
67	8.09	33.170															

KOREA ,HAN RA SAN , STATION 310-06 , 35-201. N, 125-121. E, APR.13.1979, 07.20 KST, DEPTH 72 , COLOR 3, TRANS. 10. ,

WAVE 5, SWELL 2, WIND SE 5, BARO 1014. , AIR TEMP. DRY 11.7, WET . , CLOUD. TYPE NS, AMT 9, WEATHER R ,

0	10.87	33.170								0	10.87	33.170		25.40	259	259	.0000
10	8.35	33.130								10	8.35	33.130		25.78	223	222	.0241
20	8.20	33.140								20	8.20	33.140		25.81	220	220	.0463
30	8.00	33.150								30	8.00	33.150		25.84	216	216	.0681
50	7.95	33.170								50	7.95	33.170		25.87	214	215	.1113
70	7.90	33.160															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D T	SVA	D-DY
KOREA ,HAN RA SAN , STATION 310-07 , 35-201. N, 125-000. E, APR.13.1979, 05.30 KST, DEPTH 81 , COLOR , TRANS. , ,																	
WAVE 4, SWELL 2, WIND S 4, BARO 1014. , AIR TEMP. DRY 11.0, WET . , CLOUD. TYPE , AMT , WEATHER ,																	
0	10.45	33.160								0	10.45	33.160		25.46	253	252	.0000
10	8.50	33.090								10	8.50	33.090		25.72	228	228	.0240
20	8.21	33.090								20	8.21	33.090		25.77	224	224	.0467
30	8.05	33.110								30	8.05	33.110		25.81	220	220	.0689
50	7.97	33.110								50	7.97	33.110		25.82	219	219	.1129
78	8.00	33.110															
KOREA ,HAN RA SAN , STATION 310-08 , 35-201. N, 125-479. E, APR.13.1979, 03.40 KST, DEPTH 85 , COLOR , TRANS. , ,																	
WAVE 3, SWELL 3, WIND S 4, BARO 1015. , AIR TEMP. DRY 11.0, WET . , CLOUD. TYPE , AMT , WEATHER ,																	
0	9.85	33.100								0	9.85	33.100		25.52	247	247	.0000
10	8.50	33.080								10	8.50	33.080		25.71	228	228	.0238
20	8.15	33.060								20	8.15	33.060		25.75	225	225	.0465
30	8.02	33.080								30	8.02	33.080		25.79	222	222	.0689
50	8.07	33.120								50	8.07	33.120		25.81	219	220	.1132
75	8.20	33.250								75	8.20	33.250		25.89	212	212	.1674
82	8.20	33.230															
KOREA ,HAN RA SAN , STATION 310-09 , 35-201. N, 124-356. E, APR.13.1979, 01.50 KST, DEPTH 92 , COLOR , TRANS. , ,																	
WAVE 3, SWELL 3, WIND SE 4, BARO 1016.5, AIR TEMP. DRY 11.0, WET . , CLOUD. TYPE , AMT , WEATHER ,																	
0	9.71	33.160								0	9.71	33.160		25.59	241	240	.0000
10	8.44	33.090								10	8.44	33.090		25.73	227	227	.0234
20	8.28	33.080								20	8.28	33.080		25.75	225	225	.0461
30	8.10	33.090								30	8.10	33.090		25.78	222	222	.0685
50	8.13	33.090								50	8.13	33.090		25.78	222	223	.1131
75	8.45	33.120								75	8.45	33.120		25.75	225	226	.1693
90	8.34	33.130															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA T	D-T	SVA	D-DY
KOREA ,HAN RA SAN , STATION 310-10 , 35-201. N, 124-235. E, APR.13.1979, 00.00 KST, DEPTH 90 , COLOR , TRANS. . ,																	
WAVE 3, SWELL 3, WIND SE 4, BARO 1013. , AIR TEMP. DRY 10.5, WET . , CLOUD. TYPE , AMT , WEATHER ,																	
0	9.82	33.080								0	9.82	33.080		25.51	248	248	.0000
10	8.63	33.060								10	8.63	33.060		25.68	232	232	.0240
20	8.47	33.050								20	8.47	33.050		25.70	230	230	.0472
30	8.25	33.080								30	8.25	33.080		25.75	225	225	.0700
50	8.31	33.180								50	8.31	33.180		25.82	218	219	.1145
75	8.57	33.240								75	8.57	33.240		25.83	218	219	.1695
87	8.53	33.240															

6 월 (June)

KOREA ,HAN RA SAN , STATION 310-03 , 35-201. N, 125-403. E, JUN.13.1979, 13.40 KST, DEPTH 27 , COLOR 6, TRANS. 6. ,

WAVE 1, SWELL 1, WIND NW 1, BARO 1013. , AIR TEMP. DRY 20.5, WET . , CLOUD. TYPE CI, AMT 1, WEATHER B ,

0	18.32	33.750								0	18.32	33.750		24.26	367	367	.0000
10	16.17	33.850								10	16.17	33.850		24.84	311	311	.0340
20	16.17	33.840								20	16.17	33.840		24.84	312	312	.0652
25	15.20	33.860															

KOREA ,HAN RA SAN , STATION 310-04 , 35-201. N, 125-265. E, JUN.13.1979, 11.55 KST, DEPTH 52 , COLOR 4, TRANS. 16. ,

WAVE 1, SWELL 1, WIND W 1, BARO 1013.5, AIR TEMP. DRY 20.0, WET . , CLOUD. TYPE CI, AMT 2, WEATHER B ,

0	18.36	33.380								0	18.36	33.380		23.97	395	395	.0000
10	12.50	33.390								10	12.50	33.390		25.26	271	271	.0333
20	12.20	33.500								20	12.20	33.500		25.41	258	258	.0599
30	11.20	33.540								30	11.20	33.540		25.62	237	237	.0847
55	11.10	33.[illegible]															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D T	SVA	D-DY

KOREA ,HAN RA SAN , STATION 310-05 , 35-201. N, 125-244. E, JUN.13.1979, 10.05 KST, DEPTH 70 , COLOR 3, TRANS. 18. ,

WAVE 1, SWELL 1, WIND SW 1, BARO 1014. , AIR TEMP. DRY 19.5, WET . , CLOUD. TYPE CI, AMT 1, WEATHER B ,

0	18.45	33.550								0	18.45	33.550		24.07	385	385	.0000
10	16.38	33.570								10	16.38	33.570		24.58	336	336	.0361
20	12.00	33.420								20	12.00	33.420		25.38	260	260	.0660
30	10.82	33.590								30	10.82	33.590		25.73	227	227	.0904
50	10.80	33.530								50	10.80	33.530		25.69	231	232	.1364
67	10.76	33.500															

KOREA ,HAN RA SAN , STATION 310-06 , 35-201. N, 125-121. E, JUN.13.1979, 08.15 KST, DEPTH 72 , COLOR 3, TRANS. 19. ,

WAVE 1, SWELL 1, WIND SW 1, BARO 1014. , AIR TEMP. DRY 19.0, WET . , CLOUD. TYPE CI, AMT 1, WEATHER B ,

0	18.16	33.470								0	18.16	33.470		24.08	384	384	.0000
10	17.10	33.640								10	17.10	33.640		24.47	347	347	.0366
20	16.20	33.690								20	16.20	33.690		24.72	324	324	.0702
30	11.40	33.940								30	11.40	33.940		25.90	211	211	.0970
50	10.80	33.760								50	10.80	33.760		25.87	214	215	.1397
70	10.70	33.770															

KOREA ,HAN RA SAN , STATION 310-07 , 35-201. N, 125-000. E, JUN.13.1979, 06.25 KST, DEPTH 80 , COLOR 3, TRANS. 18. ,

WAVE 1, SWELL 1, WIND NW 1, BARO 1013. , AIR TEMP. DRY 18.5, WET . , CLOUD. TYPE CI, AMT 1, WEATHER B ,

0	17.54	33.300								0	17.54	33.300		24.10	382	382	.0000
10	16.40	33.490								10	16.40	33.490		24.52	343	343	.0363
20	12.00	33.500								20	12.00	33.500		25.45	254	254	.0661
30	10.00	33.580								30	10.00	33.580		25.86	214	215	.0896
50	9.92	33.520								50	9.92	33.520		25.83	217	218	.1330
77	9.90	33.350															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,HAN RA SAN , STATION 310-08 , 35-201. N, 125-479. E, JUN.13.1979, 04.40 KST, DEPTH 86 , COLOR , TRANS. .																	
WAVE 1, SWELL 1, WIND NW 1, BARO 1012.5, AIR TEMP. DRY 17.5, WET . , CLOUD. TYPE , AMT , WEATHER ,																	
0	18.00	33.320								0	18.00	33.320		24.01	391	391	.0000
10	17.65	33.130								10	17.65	33.130		23.95	397	397	.0394
20	13.08	33.640								20	13.08	33.640		25.34	264	264	.0725
30	11.14	33.730								30	11.18	33.730		25.78	223	223	.0969
50	10.10	33.690								50	10.10	33.690		25.93	208	208	.1402
75	9.88	33.540								75	9.56	33.540		25.85	215	216	.1934
83	9.87	33.580															
KOREA ,HAN RA SAN , STATION 310-09 , 35-201. N, 124-356. E, JUN.13.1979, 02.50 KST, DEPTH 92 , COLOR , TRANS. . ,																	
WAVE 1, SWELL 1, WIND NW 1, BARO 1012. , AIR TEMP. DRY 16.0, WET . , CLOUD. TYPE , AMT , WEATHER ,																	
0	18.27	33.470								0	18.27	33.470		24.06	386	386	.0000
10	17.65	33.350								10	17.65	33.350		24.12	381	381	.0384
20	12.85	33.610								20	12.85	33.610		25.37	262	262	.0706
30	10.84	33.410								30	10.84	33.410		25.59	241	241	.0958
50	9.92	33.610								50	9.92	33.610		25.90	211	211	.1411
75	9.55	33.680								75	9.55	33.680		26.02	200	201	.1928
90	9.46	33.340															
KOREA ,HAN RA SAN , STATION 310-10 , 35-201. N, 124-235. E, JUN.13.1979, 01.00 KST, DEPTH 90 , COLOR , TRANS. . ,																	
WAVE 1, SWELL 1, WIND NW 1, BARO 1012. , AIR TEMP. DRY 16.5, WET . , CLOUD. TYPE , AMT , WEATHER ,																	
0	18.34	33.070								0	18.34	33.070		23.73	417	417	.0000
10	17.30	33.250								10	17.30	33.250		24.12	380	380	.0399
20	12.53	33.260								20	12.53	33.260		25.16	281	282	.0730
30	10.65	33.570								30	10.65	33.570		25.75	226	226	.0985
50	9.97	33.700								50	9.97	33.700		25.96	205	206	.1417
75	9.64	33.700								75	9.64	33.700		26.02	200	201	.1926

8 월 (August)

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA T	D-T	SVA	D-DY
KOREA ,HAN RA SAN , STATION 310-03 , 35-201. N, 125-495. E, AUG.10.1979, 13.30 KST, DEPT. 32 , COLOR 6, TRANS. 4. ,																	
WAVE 1, SWELL 1, WIND SE 1, BARO 1012. , AIR TEMP. DRY 26.0, WET . , CLOUD. TYPE CI, AMT 1, WEATHER B ,																	
0	25.90	33.840								0	25.90	33.840		22.82	505	505	.0000
10	21.15	34.150								10	21.15	34.150		23.83	408	408	.0457
20	20.45	34.160								20	20.45	34.160		24.02	390	390	.0856
30	20.30	34.200															
KOREA ,HAN RA SAN , STATION 310-04 , 35-201. N, 125-365. E, AUG.10.1979, 11.45 KST, DEPTH 55 , COLOR 4, TRANS. 19. ,																	
WAVE 1, SWELL 1, WIND SE 1, BARO 1012. , AIR TEMP. DRY 24.8, WET . , CLOUD. TYPE ST, AMT 3, WEATHER BC,																	
0	24.13	33.640								0	24.13	33.640		22.60	526	525	.0000
10	20.18	34.020								10	20.18	34.020		23.99	393	393	.0460
20	18.18	34.330								20	18.38	34.330		24.73	322	322	.0818
30	18.10	34.360								50	18.10	34.360		24.78	318	318	.1138
52	17.90	34.400															
KOREA ,HAN RA SAN , STATION 310-05 , 35-201. N, 125-244. E, AUG.10.1979, 09.55 KST, DEPTH 67 , COLOR 3, TRANS. 14. ,																	
WAVE 1, SWELL 1, WIND SE 1, BARO 1012. , AIR TEMP. DRY 25.5, WET . , CLOUD. TYPE CI, AMT 1, WEATHER B ,																	
0	26.28	33.870								0	26.28	33.870		22.12	572	571	.0000
10	23.90	34.050								10	23.90	34.050		22.97	490	490	.0531
20	20.57	34.110								20	20.57	34.110		23.95	396	397	.0975
30	17.40	34.310								30	17.40	34.310		24.91	305	306	.1326
50	17.23	34.380								50	17.23	34.380		25.00	296	297	.1930
65	17.32	34.400															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA T	D-T	SVA	D-DY
KOREA ,HAN RA SAN , STATION 310-06 , 35-201. N, 125-121. E, AUG.10.1979, 08.15 KST, DEPTH 72 , COLOR 3, TRANS. 16. ,																	
WAVE 1, SWELL 1, WIND SE 1, BARO 1013. , AIR TEMP. DRY 25.8, WET . , CLOUD. TYPE CI, AMT 1, WEATHER B ,																	
0	26.24	33.480								0	26.24	33.480		21.84	599	598	.0000
10	24.33	33.550								10	24.33	33.550		22.47	538	538	.0569
20	19.20	34.250								20	19.20	34.250		24.42	352	352	.1014
30	17.30	34.510								30	17.30	34.510		25.09	288	289	.1335
50	17.17	34.540								50	17.17	34.540		25.14	283	284	.1910
70	17.02	34.560															
KOREA ,HAN RA SAN , STATION 310-07 , 35-201. N, 125-100. E, AUG.10.1979, 06.15 KST, DEPTH 80 , COLOR 3, TRANS. 12. ,																	
WAVE 1, SWELL 1, WIND SE 1, BARO 1013.5, AIR TEMP. DRY 25.8, WET . , CLOUD. TYPE AC, AMT 7, WEATHER BC,																	
0	26.38	33.660								0	26.38	33.660		21.93	590	590	.0000
10	26.20	33.710								10	26.20	33.710		22.02	581	581	.0586
20	21.96	33.840								20	21.96	33.840		23.37	452	452	.1103
30	17.80	34.330								30	17.80	34.330		24.83	313	313	.1486
50	15.80	34.600								50	15.80	34.600		25.50	249	250	.2050
77	15.70	34.670															
KOREA ,HAN RA SAN , STATION 310-08 , 35-201. N, 125-479. E, AUG.10.1979, 04.25 KST, DEPTH 85 , COLOR , TRANS. . ,																	
WAVE 1, SWELL 1, WIND SE 2, BARO 1013. , AIR TEMP. DRY 25.5, WET . , CLOUD. TYPE , AMT , WEATHER ,																	
0	26.00	32.740								0	26.00	32.740		21.35	645	644	.0000
10	25.00	32.740								10	25.00	32.740		21.66	616	616	.0631
20	23.80	33.870								20	23.80	33.870		22.87	500	500	.1189
30	22.00	34.070								30	22.00	34.070		23.53	436	437	.1658
50	21.30	34.490								50	21.30	34.490		24.04	388	389	.2485
75	14.60	34.540								75	14.60	34.540		25.72	228	229	.3259
82	14.58	34.070															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA T	D-T	SVA	D-DY
KOREA ,HAN RA SAN , STATION 310-09 , 35-201. N, 124-356. E, AUG.10.1979, 02.35 KST, DEPTH 90 , COLOR , TRANS. .																	
WAVE 1, SWELL 1, WIND SE 2, BARO 1012.7, AIR TEMP. DRY 26.0, WET . , CLOUD. TYPE , AMT , WEATHER ,																	
0	25.73	33.510								0	25.73	33.510		22.02	581	581	.0000
10	25.30	33.500								10	25.30	33.500		22.14	569	569	.0576
20	23.43	33.640								20	23.43	33.640		22.80	506	507	.1114
30	20.62	33.910								30	20.62	33.910		23.79	412	413	.1574
50	17.80	34.270								50	17.80	34.270		24.78	317	318	.2306
75	13.63	34.580								75	13.63	34.580		25.96	205	207	.2964
87	13.35	34.610															
KOREA ,HAN RA SAN , STATION 310-10 , 35-201. N, 124-235. E, AUG.10.1979, 00.45 KST, DEPTH 90 , COLOR , TRANS. . ,																	
WAVE 1, SWELL 1, WIND SE 2, BARO 1012.7, AIR TEMP. DRY 26.0, WET . , CLOUD. TYPE , AMT , WEATHER ,																	
0	25.88	33.240								0	25.88	33.240		21.77	605	605	.0000
10	25.85	33.260								10	25.85	33.260		21.79	603	603	.0604
20	22.50	33.820								20	22.50	33.820		23.20	468	468	.1140
30	18.45	33.930								30	18.45	33.930		24.36	357	358	.1554
50	15.23	34.020								50	15.23	34.020		25.19	279	280	.2193
75	12.03	34.160								75	12.03	34.160		25.95	206	208	.2803
87	11.65	34.400															

10 월 (October)

KOREA ,CHUN MA SAN , STATION 310-03 , 35-[illegible]. N, 125-493. E, OCT.16.1979, 17.20 KST, DEPTH 26 , COLOR 4, TRANS. 20.5,																	
WAVE 3, SWELL 2, WIND NNE 3, BARO 1016. , AIR TEMP. DRY 22.0, WET . , CLOUD. TYPE CI, AMT 1, WEATHER B ,																	
0	19.98	32.720								0	19.98	32.720		23.05	482	482	.0000
10	19.15	33.080								10	19.15	33.080		23.54	436	436	.0459
20	17.38	33.550								20	17.38	33.550		24.33	360	360	.0858
23	17.42	33.500															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D T	SVA	D-DY
KOREA ,CHUN MA SAN , STATION 310-04 , 35-201. N, 125-365. E, OCT.16.1979, 19.00 KST, DEPTH 57 , COLOR . , TRANS. . ,																	
WAVE 3, SWELL 2, WIND NE 4, BARO 1016. , AIR TEMP. DRY 19.0, WET . , CLOUD. TYPE , AMT , WEATHER ,																	
0	19.73	32.970								0	19.73	32.970		23.31	458	458	.0000
10	18.89	33.120								10	18.89	33.120		23.64	427	427	.0443
20	17.59	33.510								20	17.59	33.510		24.25	368	368	.0840
30	16.85	33.660								30	16.85	33.660		24.54	340	341	.1195
55	15.69	33.840															
KOREA ,CHUN MA SAN , STATION 310-05 , 35-201. N, 125-244. E, OCT.16.1979, 20.40 KST, DEPTH 70 , COLOR , TRANS. . ,																	
WAVE 3, SWELL 2, WIND NE 4, BARO 1017.2, AIR TEMP. DRY 19.0, WET . , CLOUD. TYPE , AMT , WEATHER ,																	
0	19.03	33.190								0	19.03	33.190		23.65	425	425	.0000
10	18.11	33.400								10	18.11	33.400		24.04	388	388	.0407
20	16.59	33.730								20	16.59	33.730		24.66	329	329	.0766
30	16.07	33.800								30	16.07	33.800		24.83	313	313	.1088
50	15.37	33.890								50	15.37	33.890		25.06	291	292	.1694
[illegible]																	
KOREA ,CHUN MA SAN , STATION 310-06 , 35-201. N, 125-121. E, OCT.16.1979, 22.20 KST, DEPTH 72 , COLOR , TRANS. . ,																	
WAVE 3, SWELL 2, WIND NE 4, BARO 1017.5, AIR TEMP. DRY 18.5, WET . , CLOUD. TYPE , AMT , WEATHER ,																	
0	18.31	33.480								0	18.31	33.480		24.05	387	386	.0000
10	17.36	33.590								10	17.36	33.590		24.37	357	357	.0372
20	17.11	33.770								20	17.11	33.770		24.57	338	338	.0720
30	16.19	33.770								30	16.19	33.770		24.78	318	318	.1049
50	14.72	33.950								50	14.72	33.950		25.24	273	274	.1642
70	13.48	34.090															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	°02	SIGMA-T	D T	SVA	D-DY

KOREA ,CHUN MA SAN , STATION 310-07 , 35-201. N, 125-000. E, OCT.17.1979, 00.00 KST, DEPTH 80 , COLOR , TRANS. , ,

WAVE 4, SWELL 2, WIND NE 4, BARO 1015.5, AIR TEMP. DRY 18.5, WET , , CLOUD. TYPE , AMT , WEATHER ,

0	18.16	33.420								0	18.16	33.420		24.04	387	387	.0000
10	18.33	33.460								10	18.33	33.460		24.03	389	389	.0388
20	17.50	33.570								20	17.50	33.570		24.32	361	362	.0764
30	14.84	33.890								30	14.84	33.890		25.17	280	281	.1080
50	14.24	33.980								50	14.24	33.980		25.37	261	262	.1630
77	12.91	34.200															

KOREA ,CHUN MA SAN , STATION 310-08 , 35-201. N, 125-479. E, OCT.17.1979, 01.50 KST, DEPTH 84 , COLOR , TRANS. , ,

WAVE 3, SWELL 2, WIND NE 4, BARO 1016. , AIR TEMP. DRY 18.0, WET , , CLOUD. TYPE , AMT , WEATHER

0	18.71	33.370								0	18.71	33.370		23.87	404	404	.0000
10	18.57	33.390								10	18.57	33.390		23.92	399	399	.0402
20	18.44	33.400								20	18.44	33.400		23.96	396	396	.0800
30	17.24	33.860								30	17.24	33.860		24.60	334	335	.1166
50	13.02	34.050								50	13.02	34.050		25.67	232	233	.1735
75	11.66	34.150								75	11.66	34.150		26.01	200	202	.2240
80	11.55	34.150															

KOREA ,CHUN MA SAN , STATION 310-09 , 35-201. N, 124-356. E, OCT.17.1979, 03.30 KST, DEPTH 88 , COLOR , TRANS. , ,

WAVE 3, SWELL 2, WIND NE 4, BARO 1016. , AIR TEMP. DRY 17.5, WET , , CLOUD. TYPE , AMT , WEATHER ,

0	18.93	33.370								0	18.93	33.370		23.82	409	409	.0000
10	18.88	33.370								10	18.88	33.370		23.83	408	408	.0409
20	18.95	33.040								20	18.95	33.440		23.56	434	434	.0831
30	18.04	33.500								30	18.04	33.500		24.14	379	379	.1238
50	11.93	34.150								50	11.93	34.150		25.96	205	206	.1824
75	11.59	34.200								75	11.59	34.200		26.06	195	197	.2329
85	11.49	34.200															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,CHUN MA SAN , STATION 310-10 , 35-201. N, 124-235. E, OCT.17.1979, 05.20 KST, DEPTH 90 , COLOR , TRANS. . ,

WAVE 3, SWELL 2, WIND NE 4, BARO 1016. , AIR TEMP. DRY 17.0, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	18.72	33.400		0	18.72	33.400	23.89	402	402	.0000
10	18.54	33.660		10	18.54	33.660	24.13	379	379	.0391
20	18.31	33.820		20	18.31	33.820	24.31	362	362	.0762
30	17.99	[illegible]		30	17.99	33.750	24.3[illegible]	360	360	.1124
50	11.78	33.960		50	11.78	33.960	25.84	216	217	.1702
75	11.41	34.000		75	11.41	34.000	25.94	207	208	.2235
87	11.06	34.180								

12 월 (December)

KOREA ,HAN RA SAN , STATION 310-03 , 35-201. N, 125-493. E, DEC.15.1979, 1[illegible].30 KST, DEPTH 27 , COLOR 6, TRANS. 4. ,

WAVE 4, SWELL 3, WIND N 3, BARO 1031. , AIR TEMP. DRY 7.2, WET . , CLOUD. TYPE AC, AMT 6, WEATHER BC,

0	10.72	33.440		0	10.72	33.440	25.63	236	236	.0000
10	10.37	33.460		10	10.37	33.460	25.71	229	229	.0233
20	10.24	33.460		20	10.24	33.460	25.73	227	227	.0462
25	10.22	33.510								

KOREA ,HAN RA SAN , STATION 310-04 , 35-201. N, 125-365. E, DEC.15.1979, 10.45 KST, DEPTH 67 , COLOR 6, TRANS. 4.

WAVE 4, SWELL 3, WIND N 3, BARO 1031. , AIR TEMP. DRY 7.0, WET . , CLOUD. TYPE AC, AMT 7, WEATHER BC,

0	12.00	33.460		0	12.00	33.460	25.41	257	257	.0000
10	12.24	33.480		10	12.24	33.480	25.38	260	260	.0259
20	12.12	33.510		20	12.12	33.510	25.43	256	256	.0517
30	11.98	33.570		30	11.98	33.570	25.50	249	249	.0770
65	11.72	33.730								

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,HAN RA SAN , STATION 310-05 , 35-201. N, 125-244. E, DEC.15.1979, 08.55 KST, DEPTH 70 , COLOR 5, TRANS. 4. ,

WAVE 3, SWELL 2, WIND NW 3, BARO 1030. , AIR TEMP. DRY 7.0, WET . , CLOUD. TYPE AC, AMT 7, WEATHER BC,

0	12.28	33.570						25.45	254	254	.0000
10	12.35	33.680						25.52	247	247	.0251
20	12.38	33.690						25.52	247	247	.0490
30	12.26	33.710						25.56	243	244	.0745
50	11.90	33.770						25.67	232	233	.1223
67	11.89	33.910									

KOREA ,HAN RA SAN , STATION 310-06 , 35-201. N, 125-121. E, DEC.15.1979, 07.05 KST, DEPTH 72 , COLOR , TRANS. . ,

WAVE 3, SWELL 2, WIND NW 3, BARO 1030. , AIR TEMP. DRY 7.0, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	11.65	33.550						25.55	244	244	.0000
10	11.58	33.570						25.58	242	241	.0243
20	11.68	33.600						25.58	241	241	.0485
30	11.60	33.600						25.60	240	240	.0726
50	11.48	33.640						25.65	235	235	.1202
70	11.37	33.690									

KOREA ,HAN RA SAN , STATION 310-07 , 35-201. N, 125-000. E, DEC.15.1979, 05.15 KST, DEPTH 81 , COLOR , TRANS. . ,

WAVE 3, SWELL 2, WIND NE 3, BARO 1030. , AIR TEMP. DRY 6.5, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	12.00	33.510						25.45	253	253	.0000
10	12.00	33.550						25.48	250	250	.0252
20	11.88	33.600						25.55	245	245	.0500
30	11.46	33.600						25.62	237	236	.0742
50	11.24	33.660						25.71	229	230	.1210
78	11.23	33.690									

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,HAN RA SAN , STATION 310-08 , 35-201. N, 125-479. E, DEC.15.1979, 03.25 KST, DEPTH 87 , COLOR , TRANS. , ,																	
WAVE 3, SWELL 2, WIND NE 3, BARO 1030. , AIR TEMP. DRY 6.0, WET . , CLOUD. TYPE , AMT , WEATHER ,																	
0	12.48	33.600								0	12.48	33.600		25.43	255	255	.0000
10	12.36	33.780								10	12.36	33.780		25.59	240	240	.0248
20	12.40	33.780								20	12.40	33.780		25.59	241	241	.0489
30	12.40	33.800								30	12.40	33.800		25.60	239	240	.0730
50	12.34	33.840								50	12.34	33.840		25.64	235	236	.1207
75	12.29	33.860								75	12.29	33.860		25.67	233	234	.1796
85	12.35	33.910															
KOREA ,HAN RA SAN , STATION 310-09 , 35-201. N, 124-356. E, DEC.15.1979, 01.35 KST, DEPTH 92 , COLOR , TRANS. , ,																	
WAVE 2, SWELL 2, WIND NW 3, BARO 1029.5, AIR TEMP. DRY 5.0, WET . , CLOUD. TYPE , AMT , WEATHER ,																	
0	12.20	33.530								0	12.20	33.530		25.43	256	255	.0000
10	12.24	33.550								10	12.24	33.550		25.44	255	255	.0255
20	12.18	33.570								20	12.18	33.570		25.47	252	252	.0509
30	12.04	33.590								30	12.04	33.590		25.51	248	249	.0760
50	12.00	33.600								50	12.00	33.600		25.52	247	248	.1258
75	11.92	33.640								75	11.92	33.640		25.57	242	244	.1875
90	11.75	33.660															
KOREA ,HAN RA SAN , STATION 310-10 , 35-201. N, 124-235. E, DEC.14.1979, 23.45 KST, DEPTH 88 , COLOR , TRANS. , ,																	
WAVE 2, SWELL 2, WIND NW 3, BARO 1029.5, AIR TEMP. DRY 6.2, WET . , CLOUD. TYPE , AMT , WEATHER ,																	
0	12.40	33.770								0	12.40	33.770		25.58	241	241	.0000
10	12.32	33.770								10	12.32	33.770		25.59	240	240	.0241
20	12.09	33.780								20	12.09	33.780		25.65	235	235	.0479
30	12.00	******								30	12.00	******		*****	***	***	******
50	11.88	33.800								50	11.88	33.800		25.70	230	231	******
75	11.74	33.800								75	11.74	33.800		25.73	227	229	******
85	11.53	33.860															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

2 월 (February)

KOREA ,HAN RA SAN , STATION 311-04 , 34-430. N, 125-439. E, FEB.25.1979, 18.45 KST, DEPTH 34 , COLOR 5, TRANS. 2.5,

WAVE 4, SWELL 3, WIND N 4, BARO 1019. , AIR TEMP. DRY 7.5, WET . , CLOUD. TYPE AC, AMT 8, WEATHER C ,

0	6.52	32.980	0	6.52	32.980	25.91	209	209	.0000
10	6.51	32.890	10	6.51	32.890	25.85	216	216	.0213
20	6.61	32.900	20	6.61	32.900	25.84	217	217	.0430
30	6.60	33.020							

KOREA ,HAN RA SAN , STATION 311-05 , 34-430. N, 125-319. E, FEB.25.1979, 20.25 KST, DEPTH 74 , COLOR , TRANS. . ,

WAVE 4, SWELL 3, WIND NW 5, BARO 1015. , AIR TEMP. DRY 8.0, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	7.80	32.880	0	7.80	32.880	25.66	234	233	.0000
10	7.60	32.860	10	7.60	32.860	25.67	232	232	.0233
20	7.49	32.890	20	7.49	32.890	25.71	229	229	.0464
30	7.49	32.890	30	7.49	32.890	25.71	229	229	.0693
50	7.68	32.890	50	7.68	32.890	25.69	231	232	.1155
70	7.65	32.900							

KOREA ,HAN RA SAN , STATION 311-06 , 34-430. N, 125-194. E, FEB.25.1979, 22.10 KST, DEPTH 88 , COLOR , TRANS. . ,

WAVE 4, SWELL 2, WIND NW 5, BARO 1015.5, AIR TEMP. DRY 7.5, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	7.65	32.870	0	7.65	32.870	25.67	232	232	.0000
10	7.94	32.850	10	7.94	32.850	25.62	238	238	.0235
20	7.98	32.880	20	7.98	32.880	25.64	236	236	.0473
30	7.82	32.890	30	7.82	32.890	25.67	233	233	.0708
50	7.86	32.880	50	7.86	32.880	25.65	234	235	.1177
75	7.94	32.910	75	7.94	32.910	25.66	233	234	.1764
85	8.00	32.910							

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA ,HAN RA SAN , STATION 311-07 , 34-430. N, 125-000. E, FEB.26.1979, 00.50 KST, DEPTH 88 , COLOR , TRANS. , ,																	
WAVE 4, SWELL 2, WIND NW 5, BARO 1016.1, AIR TEMP. DRY 7.0, WET , , CLOUD. TYPE , AMT , WEATHER ,																	
0	7.60	32.910								0	7.60	32.910		25.71	229	228	.0000
10	7.63	32.930								10	7.63	32.930		25.72	228	227	.0228
20	7.61	32.950								20	7.61	32.950		25.74	226	226	.0455
30	7.60	32.980								30	7.60	32.980		25.77	223	224	.0681
50	7.55	32.980								50	7.55	32.980		25.78	223	223	.1128
75	7.71	32.910								75	7.71	32.910		25.70	230	231	.1697
85	7.58	32.900															
KOREA ,HAN RA SAN , STATION 311-08 , 34-430. N, 124-479. E, FEB.26.1979, 02.40 KST, DEPTH 93 , COLOR , TRANS. , ,																	
WAVE 4, SWELL 2, WIND WNW 5, BARO 1017. , AIR TEMP. DRY 6.5, WET , , CLOUD. TYPE , AMT , WEATHER ,																	
0	8.25	33.020								0	8.25	33.020		25.71	229	229	.0000
10	8.41	33.050								10	8.41	33.050		25.70	229	229	.0230
20	8.40	33.070								20	8.40	33.070		25.72	228	228	.0459
30	8.30	33.070								30	8.30	33.070		25.74	226	227	.0686
50	8.44	33.080								50	8.44	33.080		25.72	228	228	.1142
75	8.78	33.210								75	8.78	33.210		25.77	223	224	.1709
90	9.12	33.210															
KOREA ,HAN RA SAN , STATION 311-09 , 34-430. N, 124-358. E, FEB.26.1979, 04.30 KST, DEPTH 82 , COLOR , TRANS. , ,																	
WAVE 4, SWELL 2, WIND WNW 5, BARO 1018. , AIR TEMP. DRY 6.0, WET , , CLOUD. TYPE , AMT , WEATHER ,																	
0	8.35	32.900								0	8.35	32.900		25.60	240	239	.0000
10	8.51	32.900								10	8.51	32.900		25.57	242	242	.0241
20	8.53	32.960								20	8.53	32.960		25.62	238	238	.0482
30	8.67	32.920								30	8.67	32.920		25.56	243	243	.0723
50	7.75	32.930								50	7.75	32.930		25.71	229	230	.1196
75	8.94	32.960								75	8.94	32.960		25.55	244	245	.1790
80	9.37	32.970															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,HAN RA SAN , STATION 311-10 , 34-430. N, 124-234. E, FEB.26.1979, 06.20 KST, DEPTH 83 , COLOR . , TRANS. . ,

WAVE 4, SWELL 2, WIND NW 5, BARO 1019. , AIR TEMP. DRY 5.5, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	8.66	33.050								0	8.66	33.050	25.67	233	233	.0000
10	8.94	33.070								10	8.94	33.070	25.64	236	236	.0235
20	8.92	33.100								20	8.92	33.100	25.67	233	233	.0470
30	8.80	33.140								30	8.80	33.140	25.72	228	229	.0701
50	8.00	33.140								50	8.00	33.140	25.84	217	217	.1148
75	8.79	33.170								75	8.79	33.170	25.74	226	227	.1705
80	9.31	33.170														

4 월 (April)

KOREA ,HAN RA SAN , STATION 311-04 , 34-430. N, 125-439. E, APR.15.1979, 06.50 KST, DEPTH 32 , COLOR , TRANS. . ,

WAVE 2, SWELL 1, WIND SW 2, BARO 1022. , AIR TEMP. DRY 8.5, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	10.20	33.100								0	10.20	33.100	25.46	253	253	.0000
10	9.22	33.230								10	9.22	33.230	25.72	228	228	.0241
20	9.28	33.260								20	9.28	33.260	25.73	227	227	.0469
30	9.14	33.280														

KOREA ,HAN RA SAN , STATION 311-05 , 34-430. N, 125-319. E, APR.15.1979, 08.30 KST, DEPTH 75 , COLOR 5, TRANS. 8. ,

WAVE 2, SWELL 1, WIND SW 2, BARO 1022. , AIR TEMP. DRY 11.7, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	8.70	33.200								0	8.70	33.200	25.78	222	222	.0000
10	8.56	33.160								10	8.56	33.160	25.77	223	223	.0223
20	8.40	33.170								20	8.40	33.170	25.80	220	220	.0446
30	8.40	33.170								30	8.40	33.170	25.80	220	221	.0667
50	8.32	33.170								50	8.32	33.170	25.81	219	220	.1108
72	8.40	33.150														

OBSERVED										INTERPOLATED				CALCULATEL			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-L

KOREA ,HAN RA SAN , STATION 311-06 , 34-430. N, 125-194. E, APR.15.1979, 10.15 KST, DEPTH 90 , COLOR 6, TRANS. 8. ,

WAVE 3, SWELL 2, WIND S 3, BARO 1022. , AIR TEMP. DRY 12.7, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	8.80	33.190								0	8.80	33.190		25.75	225	224	.0000
10	8.90	33.200								10	8.90	33.200		25.75	225	225	.0225
20	8.93	33.250								20	8.93	33.250		25.78	222	222	.0450
30	8.90	33.250								30	8.90	33.250		25.79	222	222	.0672
50	8.85	33.300								50	8.85	33.300		25.83	217	218	.1113
75	8.87	33.290								75	8.87	33.290		25.82	218	219	.1661
87	8.90	33.340															

KOREA ,HAN RA SAN , STATION 311-07 , 34-430. N, 125-000. E, APR.15.1979, 12.55 KST, DEPTH 90 , COLOR 5, TRANS. 9. ,

WAVE 3, SWELL 2, WIND S 3, BARO 1021. , AIR TEMP. DRY 14.8, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	9.50	33.450								0	9.50	33.450		25.85	216	216	.0000
10	9.58	33.500								10	9.58	33.500		25.87	214	213	.0215
20	9.44	33.600								20	9.44	33.600		25.97	204	204	.0424
30	9.48	33.640								30	9.48	33.640		26.00	202	202	.0628
50	9.75	33.740								50	9.75	33.740		26.03	198	199	.1030
75	9.99	34.010								75	9.99	34.010		26.20	182	183	.1509
87	9.88	34.050															

KOREA ,HAN RA SAN , STATION 311-08 , 34-430. N, 124-479. E, APR.15.1979, 14.45 KST, DEPTH 90 , COLOR 5, TRANS. 10. ,

WAVE 2, SWELL 1, WIND S 2, BARO 1019. , AIR TEMP. DRY 13.7, WET . , CLOUD. TYPE AS, AMT 8, WEATHER C ,

0	9.80	33.740								0	9.80	33.740		26.02	199	199	.0000
10	9.72	33.670								10	9.72	33.670		25.98	203	203	.0201
20	9.78	33.710								20	9.78	33.710		26.00	201	201	.0404
30	9.87	33.790								30	9.87	33.790		26.05	197	197	.0604
50	9.94	33.970								50	9.94	33.970		26.18	184	185	.0987
75	10.50	34.270								75	10.50	34.270		26.32	171	173	.1435
87	10.60	34.360															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,HAN RA SAN , STATION 311-09 , 34-430. N, 124-358. E, APR.15.1979, 16.35 KST, DEPTH 82 , COLOR 5, TRANS. 8. ,

WAVE 2, SWELL 2, WIND S 2, BARO 1018. , AIR TEMP. DRY 12.5, WET . , CLOUD. TYPE AS, AMT 8, WEATHER C ,

0	9.98	33.670		0	9.98	33.670	25.94	207	207	.0000
10	9.90	33.530		10	9.90	33.530	25.84	216	216	.0212
20	10.00	33.640		20	10.00	33.640	25.91	210	210	.0426
30	10.14	33.690		30	10.14	33.690	25.93	208	209	.0635
50	10.38	33.860		50	10.38	33.860	26.02	200	200	.1046
75	10.53	33.950		75	10.53	33.950	26.06	196	197	.1543
80	10.65	34.050								

KOREA ,HAN RA SAN , STATION 311-10 , 34-430. N, 124-234. E, APR.15.1979, 18.25 KST, DEPTH 84 , COLOR 5, TRANS. 6.5,

WAVE 2, SWELL 2, WIND S 2, BARO 1013. , AIR TEMP. DRY 12.5, WET . , CLOUD. TYPE AS, AMT 8, WEATHER C ,

0	10.34	33.730		0	10.34	33.730	25.92	209	208	.0000
10	10.20	33.730		10	10.20	33.730	25.95	206	206	.0208
20	10.14	33.730		20	10.14	33.730	25.96	205	206	.0414
30	10.22	33.750		30	10.22	33.750	25.96	205	206	.0620
50	10.50	34.080		50	10.50	34.080	26.17	185	186	.1013
80	10.63	34.310								

6 월 (June)

KOREA ,HAN RA SAN , STATION 311-04 , 34-430. N, 125-439. E, JUN.13.1979, 19.30 KST, DEPTH 34 , COLOR 6, TRANS. 8. ,

WAVE 1, SWELL 1, WIND NW 1, BARO 1013. , AIR TEMP. DRY 19.0, WET . , CLOUD. TYPE CI, AMT 1, WEATHER B ,

0	17.38	33.750		0	17.38	33.750	24.49	345	345	.0000
10	14.52	33.860		10	14.52	33.860	25.22	276	276	.0311
20	13.80	33.930		20	13.80	33.930	25.42	256	257	.0578
30	13.64	33.540								

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA ,HAN RA SAN , STATION 311-05 , 34-430. N, 125-319. E, JUN.13.1979, 20.50 KST, DEPTH 75 , COLOR , TRANS. , ,																	
WAVE 1, SWELL 1, WIND NW 1, BARO 1013. , AIR TEMP. DRY 18.0, WET . , CLOUD. TYPE , AMT , WEATHER ,																	
0	16.14	33.830								0	16.14	33.830		24.84	312	312	.0000
10	14.48	33.980								10	14.48	33.980		25.32	266	266	.0289
20	14.40	33.890								20	14.40	33.890		25.27	271	271	.0559
30	14.15	34.030								30	14.15	34.030		25.43	256	256	.0823
50	14.00	34.080								50	14.00	34.080		25.50	249	250	.1331
72	13.90	34.130															
KOREA ,HAN RA SAN , STATION 311-06 , 34-430. N, 125-194. E, JUN.15.1979, 04.30 KST, DEPTH 90 , COLOR , TRANS. , ,																	
WAVE 1, SWELL 1, WIND SE 1, BARO 1016. , AIR TEMP. DRY 17.0, WET . , CLOUD. TYPE , AMT , WEATHER ,																	
0	14.98	34.060								0	14.98	34.060		25.27	271	270	.0000
10	13.20	34.040								10	13.20	34.040		25.63	237	237	.0254
20	14.04	34.070								20	14.04	34.070		25.48	251	251	.0498
30	14.13	34.170								30	14.13	34.170		25.54	245	246	.0747
50	13.94	34.100								50	13.94	34.100		25.52	247	248	.1242
75	13.62	34.130								75	13.62	34.130		25.61	238	240	.1852
87	13.60	34.220															
KOREA ,HAN RA SAN , STATION 311-07 , 34-430. N, 125-100. E, JUN.15.1979, 07.10 KST, DEPTH 88 , COLOR 3, TRANS. 18. ,																	
WAVE 1, SWELL 1, WIND SE 1, BARO 1017.6, AIR TEMP. DRY 18.5, WET . , CLOUD. TYPE AS, AMT 8, WEATHER C ,																	
0	18.75	33.840								0	18.75	33.840		24.22	371	371	.0000
10	17.00	34.020								10	17.00	34.020		24.78	317	317	.0344
20	13.93	34.220								20	13.93	34.220		25.62	238	238	.0622
30	13.75	34.210								30	13.75	34.210		25.65	235	235	.0860
50	12.80	34.290								50	12.80	34.290		25.90	211	212	.1307
75	12.22	34.530								75	12.22	34.530		26.20	182	184	.1805
85	12.20	34.560															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,HAN RA SAN , STATION 311-08 , 34-430. N, 124-479. E, JUN.15.1979, 09.00 KST, DEPTH 92 , COLOR 2, TRANS. 21. ,

WAVE 2, SWELL 1, WIND SE 2, BARO 1017.5, AIR TEMP. DRY 19.7, WET . , CLOUD. TYPE AS, AMT 8, WEATHER C ,

0	19.20	33.760								0	19.20	33.760		24.04	388	387	.0000
10	16.98	33.980								10	16.98	33.980		24.76	320	320	.0354
20	15.34	34.030								20	15.34	34.030		25.17	280	281	.0655
30	15.20	34.070								30	15.20	34.070		25.23	274	275	.0933
50	12.20	33.540								50	12.20	33.540		25.44	255	256	.1465
75	12.00	34.580								75	12.00	34.580		26.28	175	176	.2005
90	12.00	34.560															

KOREA ,HAN RA SAN , STATION 311-09 , 34-430. N, 124-358. E, JUN.15.1979, 10.50 KST, DEPTH 90 , COLOR 2, TRANS. 20. ,

WAVE 2, SWELL 2, WIND SE 3, BARO 1017. , AIR TEMP. DRY 20.0, WET . , CLOUD. TYPE AS, AMT 8, WEATHER C ,

0	19.12	33.930								0	19.12	33.930		24.19	373	373	.0000
10	17.04	33.980								10	17.04	33.980		24.74	321	321	.0347
20	15.61	34.140								20	15.61	34.140		25.19	278	278	.0648
30	15.04	34.140								30	15.04	34.140		25.32	266	267	.0921
50	12.10	34.330								50	12.10	34.330		26.07	195	196	.1384
75	11.85	34.490								75	11.85	34.490		26.24	179	180	.1855
87	11.50	34.130															

KOREA ,HAN RA SAN , STATION 311-10 , 34-430. N, 124-234. E, JUN.15.1979, 12.40 KST, DEPTH 85 , COLOR 2, TRANS. 21.5,

WAVE 2, SWELL 2, WIND SE 3, BARO 1017. , AIR TEMP. DRY 21.0, WET . , CLOUD. TYPE AS, AMT 9, WEATHER C ,

0	19.00	33.830								0	19.00	33.830		24.15	378	377	.0000
10	16.90	33.880								10	16.90	33.880		24.70	325	325	.0352
20	14.00	34.080								20	14.00	34.080		25.50	249	250	.0640
30	14.86	33.940								30	14.86	33.940		25.21	277	277	.0904
50	11.95	34.540								50	11.95	34.540		26.26	177	178	.1360
82	11.59	34.600															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

8 월 (August)

KOREA ,HAN RA SAN , STATION 311-04 , 34-430. N, 125-439. E, AUG.10.1979, 18.45 KST, DEPTH 38 , COLOR 3, TRANS. 10. ,

WAVE 1, SWELL 1, WIND SE 1, BARO 1012. , AIR TEMP. DRY 26.0, WET . , CLOUD. TYPE CI, AMT 3, WEATHER BC,

0	24.66	33.840								0	24.66	33.840		22.59	526	526	.0000
10	19.90	34.130								10	19.90	34.130		24.15	378	378	.0453
20	19.05	34.290								20	19.05	34.290		24.49	345	346	.0815
35	18.85	34.310															

KOREA ,HAN RA SAN , STATION 311-05 , 34-430. N, 125-319. E, AUG.10.1979, 20.25 KST, DEPTH 73 , COLOR , TRANS. . ,

WAVE 1, SWELL 1, WIND SE 1, BARO 1012. , AIR TEMP. DRY 24.0, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	19.03	34.200								0	19.03	34.200		24.42	351	351	.0000
10	18.80	34.240								10	18.80	34.240		24.51	343	343	.0348
20	18.70	34.270								20	18.70	34.270		24.56	338	339	.0689
30	18.37	34.270								30	18.37	34.270		24.64	331	331	.1024
50	18.34	34.240								50	18.34	34.240		24.63	332	333	.1690
71	18.20	34.290															

KOREA ,HAN RA SAN , STATION 311-06 , 34-430. N, 125-194. E, AUG.13.1979, 04.40 KST, DEPTH 90 , COLOR , TRANS. . ,

WAVE 1, SWELL 1, WIND W 1, BARO 1009. , AIR TEMP. DRY 24.0, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	20.60	34.090								0	20.60	34.090		23.93	398	398	.0000
10	19.41	34.150								10	19.41	34.150		24.29	364	364	.0382
20	18.85	34.180								20	18.85	34.180		24.45	349	349	.0739
30	18.70	34.240								30	18.70	34.240		24.54	341	341	.1084
50	17.35	34.310								50	17.35	34.310		24.92	304	305	.1732
75	15.97	34.380								75	15.97	34.380		25.30	268	270	.2452
87	15.71	34.420															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,HAN RA SAN , STATION 311-07 , 34-430. N, 125-000. E, AUG.13.1979, 07.20 KST, DEPTH 9 , COLOR 3, TRANS. 14. ,																	
WAVE 1, SWELL 1, WIND W 1, BARO 1009.5, AIR TEMP. DRY 26.5, WET . , CLOUD. TYPE CI, AMT 6, WEATHER BC,																	
0	23.49	33.590								0	23.49	33.590		22.75	511	511	.0000
10	19.80	33.960								10	19.80	33.960		24.04	388	388	.0450
20	19.74	34.040								20	19.74	34.040		24.12	380	381	.0835
30	18.55	34.290								30	18.55	34.290		24.61	333	334	.1193
50	17.85	34.330								50	17.85	34.330		24.82	314	315	.1843
75	14.43	34.850								75	14.43	34.850		26.00	202	203	.2492
KOREA ,HAN RA SAN , STATION 311-08 , 34-430. N, 124-479. E, AUG.13.1979, 09.10 KST, DEPTH 93 , COLOR 2, TRANS. 19. ,																	
WAVE 1, SWELL 1, WIND SE 2, BARO 1009. , AIR TEMP. DRY 27.0, WET . , CLOUD. TYPE CC, AMT 9, WEATHER C ,																	
0	27.97	33.150								0	27.97	33.150		21.04	675	675	.0000
10	27.76	33.370								10	27.76	33.370		21.27	653	653	.0664
20	18.30	33.660								20	18.30	33.660		24.19	373	374	.1178
30	12.68	34.400								30	12.68	34.400		26.01	200	201	.1466
50	12.40	34.600								50	12.40	34.600		26.22	180	181	.1849
75	12.32	34.760								75	12.32	34.760		26.36	167	169	.2288
90	12.35	34.810															
KOREA ,HAN RA SAN , STATION 311-09 , 34-430. N, 124-358. E, AUG.13.1979, 11.00 KST, DEPTH 85 , COLOR 2, TRANS. 18. ,																	
WAVE 1, SWELL 1, WIND E 2, BARO 1009. , AIR TEMP. DRY 27.5, WET . , CLOUD. TYPE AS, AMT 9, WEATHER C ,																	
0	27.87	33.300								0	27.87	33.300		21.18	661	661	.0000
10	26.95	33.620								10	26.95	33.620		21.72	610	610	.0636
20	20.87	33.820								20	20.87	33.820		23.65	425	425	.1154
30	15.86	34.400								30	15.86	34.400		25.77	223	224	.1479
50	12.76	34.560								50	12.76	34.560		26.12	190	191	.1895
75	12.20	34.560								75	12.20	34.560		26.23	180	181	.2361
82	12.08	34.580															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,HAN RA SAN , STATION 311-10 , 34-430. N, 124-234. E, AUG.13.1979, 12.50 KST, DEPTH 84 , COLOR 2, TRANS. 17. ,

WAVE 1, SWELL 1, WIND E 2, BARO 1009. , AIR TEMP. DRY 27.5, WET . , CLOUD. TYPE AS, AMT 9, WEATHER C ,

0	27.80	33.390		0	27.80	33.390	21.27	653	652 .0000
10	26.45	33.960		10	26.45	33.960	22.13	570	570 .0612
20	18.00	33.980		20	18.00	33.980	24.51	343	343 .1069
30	12.60	34.020		30	12.60	34.020	25.73	227	227 .1355
50	11.98	34.290		50	11.98	34.290	26.06	196	196 .1780
80	11.87	34.400							

10 월 (October)

KOREA ,CHUN MA SAN , STATION 311-04 , 34-430. N, 125-439. E, OCT.20.1979, 11.50 KST, DEPTH 36 , COLOR TRANS. 5. ,

WAVE 4, SWELL 2, WIND S 4, BARO 1012. , AIR TEMP. DRY 19.8, WET . , CLOUD. TYPE CI, AMT 1, WEATHER B ,

0	16.99	33.690		0	16.99	33.690	24.53	341	341 .0000
10	16.74	33.690		10	16.74	33.690	24.59	335	335 .0339
20	16.53	33.730		20	16.53	33.730	24.67	328	328 .0671
33	16.44	33.730							

KOREA ,CHUN MA SAN , STATION 311-05 , 34-430. N, 125-319. E, OCT.20.1979, 10.10 KST, DEPTH 75 , COLOR 6, TRANS. 7. ,

WAVE 4, SWELL 2, WIND S 4, BARO 1012.5, AIR TEMP. DRY 21.0, WET . , CLOUD. TYPE CI, AMT 1, WEATHER B ,

0	16.88	33.710		0	16.88	33.710	24.57	337	337 .0000
10	16.46	33.750		10	16.46	33.750	24.70	325	325 .0331
20	16.11	33.770		20	16.11	33.770	24.80	316	316 .0652
30	15.93	33.770		30	15.98	33.770	24.83	313	314 .0968
50	15.98	33.780		50	15.98	33.780	24.83	312	313 .1595
72	16.16	33.770							

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,CHUN MA SAN , STATION 311-06 , 34-430. N, 125-194. E, OCT.17.1979, 18.20 KST, DEPTH 90 , COLOR , TRANS. . ,

WAVE 3, SWELL 1, WIND NNW 3, BARO 1015.8, AIR TEMP. DRY 20.8, WET . , CLOUD. TYPE , AMT 2, WEATHER B ,

0	17.35	33.660	0	17.35	33.660	24.42	351	351	.0000
10	16.21	33.690	10	16.21	33.690	24.71	324	324	.0338
20	16.19	33.750	20	16.19	33.730	24.75	320	321	.0661
30	15.36	33.820	30	15.36	33.820	25.00	296	297	.0970
50	15.23	33.870	50	15.23	33.870	25.07	290	291	.1558
75	13.64	34.070	75	13.64	34.070	25.56	243	245	.2229
87	13.15	34.150							

KOREA ,CHUN MA SAN , STATION 311-07 , 34-430. N, 125-000. E, OCT.17.1979, 15.40 KST, DEPTH 91 , COLOR 3, TRANS. 24. ,

WAVE 3, SWELL 1, WIND N 3, BARO 1016.3, AIR TEMP. DRY 22.0, WET . , CLOUD. TYPE CI, AMT 1, WEATHER B ,

0	18.68	33.480	0	18.68	33.480	23.96	395	395	.0000
10	18.27	33.500	10	18.27	33.500	24.08	384	384	.0390
20	18.10	33.590	20	18.10	33.590	24.19	374	374	.0770
30	16.83	33.820	30	16.83	33.820	24.67	328	329	.1122
50	15.08	33.870	50	15.08	33.870	25.10	287	288	.1739
75	11.98	34.250	75	11.98	34.250	26.03	199	200	.2350
88	11.89	34.270							

KOREA ,CHUN MA SAN , STATION 311-08 , 34-430. N, 124-479. E, OCT.17.1979, 14.00 KST, DEPTH 91 , COLOR 3, TRANS. 23. ,

WAVE 3, SWELL 1, WIND NNE 3, BARO 1017. , AIR TEMP. DRY 21.5, WET . , CLOUD. TYPE CI, AMT 1, WEATHER B ,

0	18.72	33.440	0	18.72	33.440	23.92	399	399	.0000
10	18.06	33.480	10	18.06	33.480	24.12	381	381	.0390
20	17.59	33.480	20	17.59	33.480	24.23	370	370	.0766
30	17.02	33.910	30	17.02	33.910	24.69	326	326	.1115
50	13.59	34.020	50	13.59	34.020	25.53	246	247	.1689
75	12.69	34.180	75	12.69	34.180	25.84	217	218	.2271
88	12.36	34.250							

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,CHUM MA SAN , STATION 311-09 , 34-430. N, 124-353. E, OCT.17.1979, 12.10 KST, DEPTH 89 , COLOR 3, TRANS. 24. ,

WAVE 3, SWELL 2, WIND NNE 3, BARO 1017. , AIR TEMP. DRY 21.3, WET . , CLOUD. TYPE CI, AMT 1, WEATHER B ,

0	18.65	33.460							0	18.65	33.460		23.95	396	396	.0000
10	18.26	33.480							10	18.26	33.480		24.07	385	385	.0391
20	17.94	33.510							20	17.94	33.510		24.17	376	376	.077
30	17.37	33.550							30	17.37	33.550		24.34	360	360	.1141
50	15.03	33.570							50	15.03	33.570		24.88	308	309	.1811
75	12.65	33.680							75	12.65	33.680		25.46	253	254	.2516
85	11.72	33.820														

KOREA ,HAN RA SAN , STATION 311-10 , 34-430. N, 124-234. E, OCT.17.1979, 10.30 KST, DEPTH 84 , COLOR 3, TRANS. 21.0,

WAVE 3, SWELL 2, WIND NNE 3, BARO 1016.5, AIR TEMP. DRY 21.0, WET . , CLOUD. TYPE CI, AMT 1, WEATHER B ,

0	18.70	33.400							0	18.70	33.400		23.90	402	401	.0000
10	18.21	33.440							10	18.21	33.440		24.05	387	387	.0387
20	17.58	33.490							20	17.58	33.490		24.24	369	369	.0773
30	17.22	33.550							34	17.22	33.590		24.37	356	357	.1137
50	15.00	33.630							50	15.00	33.630		24.94	305	304	.1799
80	11.99	33.740														

12 월 (December)

KOREA ,HAN RA SAN , STATION 311-04 , 34-430. N, 125-439. E, DEC.15.1979, 17.45 KST, DEPTH 54 , COLOR , TRANS. . ,

WAVE 4, SWELL 3, WIND N 3, BARO 1030.5, AIR TEMP. DRY 7.3, WET . , CLOUD. TYPE AC, AMT 5, WEATHER BC,

0	10.85	33.480							0	10.85	33.480		25.64	236	235	.0000
10	10.79	33.480							10	10.79	33.480		25.65	235	234	.0235
20	10.72	33.510							20	10.72	33.510		25.69	231	231	.0469
30	10.26	33.550														

OBSERVED									INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D DY

KOREA ,HAN RA SAN , STATION 311-05 , 34-430. N, 125-319. E, DEC.15.1979, 19.25 KST, DEPTH 73 , COLOR , TRANS. . ,

WAVE 4, SWELL 3, WIND N 3, BARO 1030.5, AIR TEMP. DRY 7.0, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	12.0	33.510							0	12.04	33.510		25.45	254	254	.0000
10	12.4	33.570							10	12.40	33.570		25.42	256	256	.0255
20	11.8	33.590							20	11.88	33.590		25.54	245	245	.0507
30	12.0	33.620							30	12.00	33.620		25.54	245	246	.0753
50	11.7	33.640							50	11.78	33.640		25.60	240	241	.1240
70	11.6	34.040														

KOREA ,HAN RA SAN , STATION 311-06 , 34-430. N, 125-194. E, DEC.17.1979, 05.30 KST, DEPTH 90 , COLOR , TRANS. . ,

WAVE 1, SWELL 2, WIND NW 2, BARO 1029.5, AIR TEMP. DRY 8.5, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	12.5	33.680							0	12.50	33.680		25.49	250	250	.0000
10	12.4	33.690							10	12.48	33.690		25.50	249	249	.0250
20	12.5	33.730							20	12.50	33.730		25.53	246	246	.0498
30	12.5	33.770							30	12.51	33.770		25.56	244	244	.0744
50	12.4	33.950							50	12.45	33.950		25.71	229	230	.1218
75	12.4	34.040							75	12.43	34.040		25.78	222	224	.1787
87	12.5	34.310														

KOREA ,HAN RA SAN , STATION 311-07 , 34-430. N, 125-000. E, DEC.17.1979, 08.10 KST, DEPTH 88 , COLOR 3, TRANS. 13. ,

WAVE 1, SWELL 1, WIND NW 2, BARO 1030. , AIR TEMP. DRY 9.0, WET . , CLOUD. TYPE AS, AMT 10, WEATHER C ,

0	12.30	33.390							0	12.30	33.390		25.30	268	267	.0000
10	12.36	33.420							10	12.36	33.420		25.31	267	266	.0267
20	12.35	33.440							20	12.35	33.440		25.33	265	265	.0534
30	12.39	33.480							30	12.39	33.480		25.36	263	265	.0798
50	12.33	33.590							50	12.33	33.590		25.45	253	254	.1316
75	12.92	33.710							75	12.92	33.710		25.43	256	257	.1957
3	12.89	33.890														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA ,HAN RA SAN , STATION 311-08 , 34-430. N, 124-479. E, DEC.17.1979, 10.00 KST, DEPTH 93 , COLOR 3, TRANS. 14. ,																	
WAVE 1, SWELL 1, WIND NW 2, BARO 1030.5, AIR TEMP. DRY 11.4, WET . , CLOUD. TYPE AS, AMT 9, WEATHER C ,																	
0	12.95	33.400								0	12.95	33.400		25.18	279	279	.0000
10	12.97	33.440								10	12.97	33.440		25.21	276	276	.0278
20	13.00	33.440								20	13.00	33.440		25.21	277	277	.0555
30	13.06	33.480								30	13.06	33.480		25.22	275	276	.0832
50	13.00	33.590								50	13.00	33.590		25.32	266	267	.1375
75	13.18	33.690								75	13.18	33.690		25.36	262	263	.2039
90	13.34	33.860															
KOREA ,HAN RA SAN , STATION 311-09 , 34-430. N, 124-358. E, DEC.17.1979, 11.50 KST, DEPTH 82 , COLOR 3, TRANS. 15.																	
WAVE 1, SWELL 1, WIND NW 2, BARO 1030. , AIR TEMP. DRY 12.5, WET . , CLOUD. TYPE AS, AMT 8, WEATHER C ,																	
0	12.90	33.440								0	12.90	33.440		25.23	275	275	.0000
10	12.92	33.460								10	12.92	33.460		25.24	274	274	.0275
20	12.93	33.500								20	12.93	33.500		25.27	271	271	.0548
30	13.00	33.590								30	13.00	33.590		25.32	266	266	.0817
50	13.02	33.730								50	13.02	33.730		25.43	256	257	.1341
75	12.98	33.800								75	12.98	33.800		25.49	250	252	.1978
80	12.90	33.950															
KOREA ,HAN RA SAN , STATION 311-10 , 34-430. N, 124-234. E, DEC.17.1979, 13.50 KST, DEPTH 84 , COLOR 3, TRANS. 15.5,																	
WAVE 1, SWELL 1, WIND NW 2, BARO 1031. , AIR TEMP. DRY 10.7, WET . , CLOUD. TYPE AS, AMT 5, WEATHER BC,																	
0	12.90	33.400								0	12.90	33.400		25.19	278	278	.0000
10	12.87	33.420								10	12.87	33.420		25.22	276	276	.0277
20	12.54	33.460								20	12.54	33.460		25.31	267	267	.0549
30	12.62	33.480								30	12.62	33.480		25.31	267	267	.0817
50	12.00	33.510								50	12.00	33.510		25.45	253	254	.1339
81	11.92	33.680															

312 선 해 양 관 측 성 적
OCEANOGRAPHIC DATA, LINE 312

2 월 (February)

KOREA ,HAN RA SAN , STATION 312-02 , 33-56.0 N, 126-06.0 E, FEB.27.1979, 03.05 KST, DEPTH 85 , COLOR , TRANS. , ,

WAVE 4, SWELL 2, WIND NW , 5, BARO 1015.5, AIR TEMP. DRY 4.2, WET , , CLOUD. TYPE , AMT , WEATHER ,

OBSERVED DEPTH	TEMP	SAL
0	11.20	34.240
10	11.13	34.100
20	11.11	34.300
30	11.32	34.260
50	11.88	34.320
82	11.70	34.220

INTERPOLATED DEPTH	TEMP	SAL	O2	CALCULATED SIGMA-T	D-T	SVA	D-DY
0	11.20	34.240		26.17	185	185	.0000
10	11.13	34.100		26.07	195	195	.0190
20	11.11	34.300		26.23	179	180	.0378
30	11.32	34.260		26.16	186	186	.0564
50	11.88	34.320		26.10	192	192	.0941

KOREA ,HAN RA SAN , STATION 312-03 , 33-59.8 N, 126-54.0 E, FEB.27.1979, 01.20 KST, DEPTH 74 , COLOR , TRANS. , ,

WAVE 4, SWELL 2, WIND NW 5, BARO 1015.7, AIR TEMP. DRY 5.0, WET , , CLOUD. TYPE , AMT , WEATHER ,

OBSERVED DEPTH	TEMP	SAL
0	12.00	34.440
10	11.99	34.460
20	12.04	34.480
30	11.98	34.480
50	12.02	34.470
70	11.95	34.530

INTERPOLATED DEPTH	TEMP	SAL	O2	CALCULATED SIGMA-T	D-T	SVA	D-DY
0	12.00	34.440		26.17	185	185	.0000
10	11.99	34.460		26.19	183	183	.0184
20	12.04	34.480		26.20	183	183	.0368
30	11.98	34.480		26.21	182	182	.0551
50	12.02	34.470		26.19	183	184	.0918

KOREA ,HAN RA SAN , STATION 312-04 , 34-01.8 N, 125-42.0 E, FEB.26.1979, 23.30 KST, DEPTH 83 , COLOR , TRANS. , ,

WAVE 5, SWELL 2, WIND NW 4, BARO 1015.8, AIR TEMP. DRY 5.5, WET , , CLOUD. TYPE , AMT , WEATHER ,

OBSERVED DEPTH	TEMP	SAL
0	12.86	34.650
10	12.61	34.630
20	12.91	34.630
30	12.98	34.670
50	13.06	34.750
80	13.11	34.760

INTERPOLATED DEPTH	TEMP	SAL	O2	CALCULATED SIGMA-T	D-T	SVA	D-DY
0	12.86	34.650		26.17	185	185	.0000
10	12.61	34.630		26.20	182	182	.0184
20	12.91	34.630		26.14	188	188	.0370
30	12.98	34.670		26.16	186	187	.0555
50	13.06	34.750		26.21	182	183	.0928

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA ,HAN RA SAN , STATION 312-05 , 34-026. N, 125-300. E, FEB.26.1979, 21.40 KST, DEPTH 92 , COLOR , TRANS. . ,																	
WAVE 5, SWELL 2, WIND WNW 4, BARO 1015.8, AIR TEMP. DRY 5.8, WET . , CLOUD. TYPE , AMT , WEATHER ,																	
0	13.55	34.680								0	13.55	34.680		26.05	196	196	.0000
10	13.50	34.670								10	13.50	34.670		26.05	196	196	.0197
[illegible]	13.[illegible]	34.650								20	13.40	34.650		26.06	196	196	.0393
30	13.[illegible]	34.810								30	13.54	34.310		26.15	187	187	.0585
50	13.65	34.840								50	13.65	34.840		26.15	187	188	.0961
75	13.[illegible]	34.810								75	13.10	34.810		26.24	178	180	.1422
90	13.55	34.840															
KOREA ,HAN RA SAN , STATION 312-06 , 34-041. N, 125-180. E, FEB.26.1979, 19.50 KST, DEPTH 103 , COLOR , TRANS. . ,																	
WAVE 4, SWELL 2, WIND SW 5, BARO 1016. , AIR TEMP. DRY 6.0, WET . , CLOUD. TYPE , AMT , WEATHER . ,																	
0	11.25	34.160								0	11.25	34.160		26.10	192	192	.0000
10	11.40	34.150								10	11.40	34.150		26.06	196	196	.0194
20	11.31	34.160								20	11.31	34.160		26.09	193	193	.0389
30	11.42	34.090								30	11.42	34.090		26.01	200	201	.0587
[illegible]	11.89	34.770								50	11.89	34.770		26.45	159	160	.0948
75	12.05	34.440								75	12.05	34.440		26.16	186	187	.1383
0	12.0[illegible]	34.520															
KOREA ,HAN RA SAN , STATION 312-07 , 34-055. N, 125-000. E, FEB.26.1979, 17.20 KST, DEPTH 90 , COLOR 5, TRANS. 4. ,																	
WAVE 4, SWELL 2, WIND SW 5, BARO 1016.4, AIR TEMP. DRY 6.5, WET . , CLOUD. TYPE AS, AMT 4, WEATHER BC,																	
	9.45	33.630								0	9.45	33.630		25.99	202	202	.0000
	9.68	33.630								10	9.68	33.630		25.96	205	205	.0204
	[illegible].90	33.770								20	9.90	33.770		26.03	199	199	.0406
	10.35	33.850								30	10.35	33.850		26.02	200	200	.0606
	11.12	34.060								50	11.12	34.060		26.04	197	198	.1006
75	11.18	34.040								75	11.18	34.040		26.02	200	201	.1506
87	11.30	34.090															

OBSERVED									INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA ,HAN RA SAN , STATION 312-08 , 34-055. N, 124-480. E, FEB.26.1979, 15.30 KST, DEPTH 90 , COLOR 5, TRANS. 5. ,																	
WAVE 4, SWELL 2, WIND SW 5, BARO 1016.6, AIR TEMP. DRY 6.7, WET . , CLOUD. TYPE AS, AMT 3, WEATHER BC,																	
0	8.92	33.500								0	8.92	33.500		25.98	203	203	.0000
10	9.18	33.500								10	9.18	33.500		25.94	207	207	.0206
20	9.12	33.500								20	9.12	33.500		25.95	206	207	.0413
30	9.20	33.530								30	9.20	33.530		25.96	205	206	.0620
50	8.15	33.560								50	8.15	33.560		26.14	188	188	.1015
75	10.10	33.720								75	10.10	33.720		25.96	205	207	.1510
87	10.24	33.790															
KOREA ,HAN RA SAN , STATION 312-09 , 34-055. N, 124-360. E, FEB.26.1979, 13.40 KST, DEPTH 86 , COLOR 5, TRANS. 5. ,																	
WAVE 3, SWELL 2, WIND NW 3, BARO 1017.3, AIR TEMP. DRY 6.5, WET . , CLOUD. TYPE CI, AMT 1, WEATHER B ,																	
0	11.11	33.580								0	11.11	33.580		25.67	233	232	.0000
10	10.14	33.660								10	10.14	33.660		25.90	211	210	.0222
20	10.14	33.720								20	10.14	33.720		25.95	206	206	.0431
30	11.04	33.630								30	11.04	33.630		25.72	228	228	.0648
50	9.75	33.930								50	9.75	33.930		26.18	184	185	.1063
75	10.04	33.980								75	10.04	33.980		26.17	185	187	.1528
83	10.30	33.990															
KOREA ,HAN RA SAN , STATION 312-10 , 34-055. N, 124-240. E, FEB.26.1979, 11.50 KST, DEPTH 80 , COLOR 5, TRANS. 4. ,																	
WAVE 3, SWELL 3, WIND NW 4, BARO 1018. , AIR TEMP. DRY 6.0, WET . , CLOUD. TYPE CI, AMT 1, WEATHER B ,																	
0	11.36	33.490								0	11.36	33.490		25.56	244	243	.0000
10	10.35	33.520								10	10.35	33.520		25.76	224	224	.0234
20	10.33	33.550								20	10.33	33.550		25.79	222	222	.0458
30	11.35	33.560								30	11.35	33.560		25.61	238	239	.0689
50	9.98	33.560								50	9.98	33.560		25.85	215	216	.1144
75	10.19	33.630								75	10.19	33.630		25.87	214	215	.1684
75	10.21	33.670															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

4 월 (April)

KOREA ,HAN RA SAN , STATION 312-02 , 33-585. N, 126-060. E, APR.16.1979, 15.30 KST, DEPTH 85 , COLOR 5, TRANS. 4. ,

WAVE 3, SWELL 3, WIND NE 3, BARO 1019. , AIR TEMP. DRY 11.5, WET . , CLOUD. TYPE AS, AMT 2, WEATHER B ,

0	11.00	34.390								0	11.00	34.390		26.32	171	171	.0000
10	11.10	34.340								10	11.10	34.340		26.26	176	176	.0174
20	10.87	34.330								20	10.87	34.330		26.30	173	173	.0349
30	10.85	34.400								30	10.85	34.400		26.36	168	168	.0520
50	11.37	34.550								50	11.37	34.550		26.38	166	166	.0856
82	11.30	34.560															

KOREA ,HAN RA SAN , STATION 312-03 , 33-598. N, 126-540. E, APR.16.1979, 13.40 KST, DEPTH 73 , COLOR 5, TRANS. 4.5,

WAVE 3, SWELL 3, WIND NW 3, BARO 1019.5, AIR TEMP. DRY 12.5, WET . , CLOUD. TYPE AS, AMT 2, WEATHER B ,

0	10.95	34.290								0	10.95	34.290		26.25	177	177	.0000
10	10.62	34.190								10	10.62	34.190		26.23	179	179	.0179
20	10.46	34.190								20	10.46	34.190		26.26	177	177	.0357
30	10.53	34.210								30	10.53	34.210		26.26	176	177	.0534
50	11.33	34.540								50	11.33	34.540		26.38	166	166	.0879
70	11.38	34.610															

KOREA ,HAN RA SAN , STATION 312-04 , 34-013. N, 125-420. E, APR.16.1979, 11.50 KST, DEPTH 80 , COLOR 5, TRANS. 4. ,

WAVE 3, SWELL 3, WIND NW 3, BARO 1019. , AIR TEMP. [illegible] 12.0, WET . , CLOUD. TYPE AS, AMT 2, WEATHER B ,

0	10.74	34.270								0	10.74	34.270		26.27	175	175	.0000
10	10.58	34.120								10	10.58	34.120		26.19	184	184	.0180
20	10.50	34.120								20	10.50	34.120		26.20	182	183	.0364
30	10.50	34.140								30	10.50	34.140		26.21	181	181	.0546
50	11.30	34.460								50	11.30	34.460		26.32	171	172	.0900
77	11.64	34.670															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA ,HAN RA SAN , STATION 312-05 , 34-120. N, 129-300. E, APR.16.1979, 10.00 KST, DEPTH 90 , COLOR 5, TRANS. 4.5,																	
WAVE 4, SWELL 2, WIND NW 3, BARO 1019. , AIR TEMP. DRY 12.0, WET . , CLOUD. TYPE AS, AMT 2, WEATHER B ,																	
0	10.78	34.260								0	10.78	34.260		26.26	177	177	.0000
10	10.59	34.130								10	10.59	34.130		26.19	183	183	.0180
20	10.44	34.110								20	10.44	34.110		26.20	182	182	.0364
30	10.45	34.120								30	10.45	34.120		26.21	182	182	.0546
50	11.80	34.660								50	11.80	34.660		26.39	165	166	.0895
75	11.95	34.860								75	11.95	34.860		26.51	153	155	.1297
90	12.00	34.870															
KOREA ,HAN RA SAN , STATION 312-06 , 34-041. N, 125-180. E, APR.16.1979, 08.10 KST, DEPTH 103 , COLOR 5, TRANS. 5, ,																	
WAVE 4, SWELL 2, WIND SW 5, BARO 1017. , AIR TEMP. DRY 10.0, WET . , CLOUD. TYPE AS, AMT 1, WEATHER B ,																	
0	10.72	34.330								0	10.72	34.330		26.32	171	170	.0000
10	11.00	34.440								10	11.00	34.440		26.36	167	167	.0169
20	11.43	34.550								20	11.43	34.550		26.37	167	167	.0337
30	12.60	34.650								30	12.60	34.650		26.22	180	181	.0511
50	11.58	34.670								50	11.58	34.670		26.43	160	161	.0854
75	11.68	34.700								75	11.68	34.700		26.44	160	161	.1259
100	11.67	34.710															
KOREA ,HAN RA SAN , STATION 312-07 , 34-055. N, 125-000. E, APR.16.1979, 05.40 KST, DEPTH 88 , COLOR , TRANS. , ,																	
WAVE 3, SWELL 3, WIND SW 4, BARO 1017.5, AIR TEMP. DRY 10.5, WET . , CLOUD. TYPE , AMT , WEATHER ,																	
0	11.20	34.400								0	11.20	34.400		26.29	174	173	.0000
10	11.14	34.330								10	11.14	34.330		26.25	178	178	.0176
20	11.20	34.380								20	11.20	34.380		26.28	175	175	.0353
30	11.20	34.440								30	11.20	34.440		26.32	171	171	.0527
50	11.50	34.590								50	11.50	34.590		26.38	165	166	.0865
75	11.66	34.690								75	11.66	34.690		26.43	160	162	.1276
85	11.64	34.720															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,HAN RA SAN , STATION 312-03 , 34-055. N, 124-480. E, APR.16.1979, 03.50 KST, DEPTH 90 , COLOR , TRANS. . ,

WAVE 3, SWELL 3, WIND S 3, BARO 1017.5, AIR TEMP. DRY 11.5, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	10.30	34.010								0	10.30	34.010		26.15	187	187	.0000
10	10.34	33.950								10	10.34	33.950		26.09	192	192	.0190
20	10.40	34.010								20	10.40	34.010		26.13	189	189	.0381
30	10.60	34.210								30	10.60	34.210		26.25	177	178	.0565
50	10.84	34.280								50	10.84	34.280		26.26	176	177	.0921
75	11.35	34.590								75	11.35	34.590		26.41	162	164	.1349
87	11.40	34.670															

KOREA ,HAN RA SAN , STATION 312-09 , 34-055. N, 124-360. E, APR.16.1979, 02.00 KST, DEPTH 85 , COLOR , TRANS. . ,

WAVE 3, SWELL 3, WIND SE 3, BARO 101[illegible]. , AIR TEMP. DRY 12.0, WET . , CLOUD. TYPE , AMT , WEATHER

0	10.22	34.410								0	10.22	34.410		26.47	156	156	.0000
10	10.24	34.410								10	10.24	34.410		26.47	157	157	.0157
20	10.32	34.540								20	10.32	34.540		26.56	148	149	.0310
30	10.45	34.590								30	10.45	34.590		26.57	147	147	.0458
50	10.71	34.660								50	10.71	34.660		26.58	146	147	.0754
82	10.99	34.720															

KOREA ,HAN RA SAN , STATION 312-10 , 34-055. N, 124-240. E, APR.16.1979, 00.10 KST, DEPTH 80 , COLOR , TRANS. . ,

WAVE 2, SWELL 2, WIND SE 3, BARO 1018. , AIR TEMP. DRY 13.5, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	10.19	33.990								0	10.19	33.990		26.15	187	187	.0000
10	10.23	33.910								10	10.28	33.940		26.07	194	194	.0191
20	10.35	34.040								20	10.35	34.040		26.16	186	186	.0382
30	10.[illegible]	34.120								30	10.36	34.120		26.22	180	180	.0565
50	10.63	34.510								50	10.63	34.510		26.48	156	157	.0904
77	10.[illegible]2	34.650															

OBSERVED									INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA T	D T	SVA	D DY

6 월 (June)

KOREA ,HAN RA SAN , STATION 312-02 , 33-585. N, 126-060. E, JUN.16.1979, 09.40 KST, DEPTH 85 , COLOR 3, TRANS. 20. ,

WAVE 1, SWELL 1, WIND SW 1, BARO 1019.5, AIR TEMP. DRY 19.0, WET . , CLOUD. TYPE , AMT , WEATHER F ,

0	19.65	33.890							0	19.65	33.890		24.03	389	389	.0000
10	16.80	34.060							10	16.80	34.060		24.86	310	310	.0350
20	15.29	34.180							20	15.29	34.180		25.30	268	269	.0640
30	12.20	34.300							30	12.20	34.300		26.03	199	199	.0874
50	12.00	34.310							50	12.00	34.310		26.07	194	195	.1270
82	12.00	34.310														

KOREA ,HAN RA SAN , STATION 312-03 , 33-598. N, 126-540. E, JUN.16.1979, 07.50 KST, DEPTH 75 , COLOR 2, TRANS. 20. ,

WAVE 1, SWELL 1, WIND SW 1, BARO 1019. , AIR TEMP. DRY 17.0, WET . , CLOUD. TYPE , AMT , WEATHER F ,

0	19.24	34.060							0	19.24	34.060		24.26	367	366	.0000
10	18.50	34.000							10	18.50	34.000		24.40	353	353	.0360
20	13.53	34.220							20	13.53	34.220		25.70	230	230	.0653
30	12.50	34.340							30	12.50	34.340		26.00	201	202	.0869
50	12.25	34.340							50	12.25	34.340		26.05	197	198	.1270
72	11.98	34.330														

KOREA ,HAN RA SAN , STATION 312-04 , 34-013. N, 125-420. E, JUN.16.1979, 06.00 KST, DEPTH 70 , COLOR 2, TRANS. 22.0,

WAVE 1, SWELL 1, WIND SW 1, BARO 1016.5, AIR TEMP. DRY 16.0, WET . , CLOUD. TYPE , AMT , WEATHER F ,

0	20.04	33.870							0	20.04	33.870		23.91	400	400	.0000
10	14.48	34.240							10	14.48	34.240		25.52	247	247	.0324
20	14.38	34.220							20	14.38	34.220		25.52	247	247	.0572
30	15.88	34.010							30	15.88	34.010		25.03	293	294	.0842
50	12.50	34.280							50	12.50	34.280		25.95	206	207	.13[illegible]
67	11.98	34.280														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA ,HAN RA SAN , STATION 312-05 , 34-026. N, 125-300. E, JUN.16.1979, 04.10 KST, DEPTH 90 , COLOR , TRANS. , ,																	
WAVE 1, SWELL 1, WIND S 1, BARO 1017.5, AIR TEMP. DRY 15.5, WET . , CLOUD. TYPE , AMT , WEATHER F ,																	
0	19.10	34.070								0	19.10	34.070		24.31	365	362	.0000
10	18.32	34.010								10	18.32	34.010		24.40	348	348	.0356
20	16.00	34.040								20	16.00	34.040		25.03	294	294	.0677
30	13.60	34.150								30	13.60	34.150		25.63	236	237	.0943
50	11.90	34.410								50	11.90	34.410		26.17	185	186	.1367
75	11.82	34.470								75	11.82	34.470		26.24	179	181	.1827
87	11.87	34.440															
KOREA ,HAN RA SAN , STATION 312-06 , 34-041. N, 125-190. E, JUN.16.1979, 02.20 KST, DEPTH 100 , COLOR , TRANS. , ,																	
WAVE 2, SWELL 1, WIND S 2, BARO 1017.5, AIR TEMP. DRY 16.0, WET . , CLOUD. TYPE , AMT , WEATHER F ,																	
0	17.30	34.110								0	17.30	34.110		24.78	317	317	.0000
10	15.23	34.150								10	15.23	34.180		25.31	267	267	.0293
20	14.00	34.270								20	14.00	34.270		25.64	235	236	.0544
30	13.94	34.310								30	13.94	34.310		25.69	231	232	.0779
50	13.10	34.280								50	13.10	34.280		25.83	217	218	.1229
75	12.80	34.340								75	12.80	34.340		25.94	207	209	.1764
97	12.37	34.420															
KOREA ,HAN RA SAN , STATION 312-07 , 34-055. N, 125-000. E, JUN.15.1979, 23.50 KST, DEPTH 95 , COLOR , TRANS. , ,																	
WAVE 2, SWELL 2, WIND S 3, BARO 1017.5, AIR TEMP. DRY 18.0, WET . , CLOUD. TYPE , AMT , WEATHER F ,																	
0	18.35	33.860								0	18.35	33.860		24.33	360	360	.0000
10	18.25	33.830								10	18.25	33.830		24.34	360	360	.0360
20	16.53	34.030								20	16.53	34.030		24.94	302	303	.0692
30	15.84	34.300								30	15.84	34.300		25.20	271	272	.0980
50	11.93	34.340								50	11.93	34.340		26.11	191	192	.1444
75	11.52	34.460								75	11.52	34.460		26.23	175	176	.1906
90	11.50	34.520															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA T	D T	SVA	D DY
KOREA ,HAN RA SAN , STATION 312-03 , 34-055. N, 124-420. E, JUN.15.1979, 22.00 KST, DEPTH 94 , COLOR , TRANS. , ,																	
WAVE 2, SWELL 2, WIND E 3, BARO 1017. , AIR TEMP. DRY 20.0, WET , , CLOUD. TYPE , AMT , WEATHER E ,																	
0	18.87	33.790								0	18.87	33.790		24.15	377	377	.0000
10	18.48	33.590								10	18.48	33.590		24.10	383	383	.0380
20	16.30	33.660								20	16.30	33.660		24.67	328	328	.0736
30	13.00	34.010								30	13.00	34.010		25.65	235	235	.1019
50	12.10	34.380								50	12.10	34.380		26.11	191	192	.1447
75	11.85	34.570								75	11.85	34.570		26.30	173	174	.1906
91	11.78	34.560															
KOREA ,HAN RA SAN , STATION 312-09 , 34-055. N, 124-360. E, JUN.15.1979, 20.10 KST, DEPTH 86 , COLOR , TRANS. , ,																	
WAVE 3, SWELL 3, WIND E 4, BARO 1017. , AIR TEMP. DRY 21.0, WET , , CLOUD. TYPE , AMT , WEATHER F ,																	
0	18.50	34.020								0	18.50	34.020		24.42	352	352	.0000
10	18.30	33.830								10	18.30	33.830		24.32	361	361	.0357
20	16.49	33.940								20	16.49	33.940		24.84	312	312	.0694
30	13.35	34.170								30	13.35	34.170		25.70	230	230	.0965
50	12.00	34.510								50	12.00	34.510		26.23	180	181	.1377
83	11.42	34.230															
KOREA ,HAN RA SAN , STATION 312-10 , 34-055. N, 124-240. E, JUN.15.1979, 18.20 KST, DEPTH 80 , COLOR 2, TRANS. 20. ,																	
WAVE 3, SWELL 3, WIND E 3, BARO 1017. , AIR TEMP. DRY 23.0, WET , , CLOUD. TYPE AS, AMT 5, WEATHER BC,																	
0	18.73	34.370								0	18.73	34.370		24.63	332	332	.0000
10	18.41	34.220								10	18.41	34.220		24.59	335	335	.0334
20	16.73	34.220								20	16.73	34.220		25.00	297	297	.0659
30	13.17	34.500								30	13.17	34.500		25.99	202	203	.0901
50	11.93	34.560								50	11.93	34.560		26.28	175	176	.1280
77	11.30	34.430															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D.DY
8월 (August)																	
KOREA ,HAN RA SAN , STATION 312-02 , 33-585. N, 126-060. E, AUG.14.1979, 09.45 KST, DEPTH 85 , COLOR 4, TRANS. [illegible]																	
WAVE 2, SWELL 2, WIND N 2, BARO 1010. , AIR TEMP. DRY 26.0, WET . , CLOUD. TYPE CI, AMT 3, WEATHER BC,																	
0	27.55	32.610								0	27.55	32.610		20.77	701	701	.0000
10	27.30	32.720								10	27.30	32.720		20.93	685	685	.0694
20	22.03	33.710								20	22.03	33.710		23.25	463	463	.2360
30	17.30	34.220								30	17.30	34.220		24.86	309	310	.1656
50	14.90	34.250								50	14.90	34.250		25.44	255	256	.0[illegible]
82	13.43	34.450															
KOREA ,HAN RA SAN , STATION 312-03 , 33-598. N, 126-540. E, AUG.14.1979, 07.55 KST, DEPTH 75 , COLOR 4, TRANS. [illegible]																	
WAVE 2, SWELL 2, WIND N 2, BARO 1009. , AIR TEMP. DRY 25.5, WET . , CLOUD. TYPE AS, AMT 8, WEATHER C ,																	
0	22.25	33.710								0	22.25	33.710		23.19	469	469	.0000
10	20.63	33.930								10	20.63	33.930		23.84	407	407	.0423
20	18.94	34.040								20	18.94	34.040		24.32	361	361	.0923
30	17.40	33.980								30	17.40	33.980		24.66	329	330	.1159
50	16.42	33.840								50	16.42	33.840		24.78	317	319	.1816
72	12.80	34.020															
KOREA ,HAN RA SAN , STATION 312-04 , 34-013. N, 125-420. E, AUG.14.1979, 06.05 KST, DEPTH 85 , COLOR 5, TRANS. 7.0,																	
WAVE 2, SWELL 2, WIND N 2, BARO 1009. , AIR TEMP. DRY 25.0, WET . , CLOUD. TYPE , AMT , WEATHER ,																	
0	22.78	33.590								0	22.78	33.590		22.95	492	492	.0000
10	18.48	33.710								10	18.48	33.710		24.19	374	374	.0833
20	18.12	34.020								20	18.12	34.020		24.51	343	343	.0792
30	17.48	33.980								30	17.48	33.980		24.64	331	332	.1[illegible]
50	15.14	34.050								50	15.14	34.050		25.23	275	276	.4[illegible]
82	12.12	34.110															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,HAN RA SAN , STATION 312-05 , 34-026. N, 125-300. E, AUG.14.1979, 04.15 KST, DEPTH 98 , COLOR , TRANS. , ,

WAVE 2, SWELL 2, WIND N 2, BARO 1009. , AIR TEMP. DRY 24.5, WET , , CLOUD. TYPE , AMT , WEATHER ,

0	25.58	33.620								0	25.58	33.620		22.15	569	569	.0000
10	23.83	33.910								10	23.83	33.910		22.89	498	498	.0534
20	23.49	34.040								20	23.49	34.040		23.09	479	479	.1023
30	18.16	34.310								30	18.16	34.310		24.72	323	323	.1425
50	16.53	34.340								50	16.53	34.340		25.14	283	285	.2034
75	13.92	34.380								75	13.92	34.380		25.74	226	227	.2675
95	12.67	34.450															

KOREA ,HAN RA SAN , STATION 312-06 , 34-041. N, 125-180. E, AUG.14.1979, 02.25 KST, DEPTH 105 , COLOR , TRANS. , ,

WAVE 2, SWELL 2, WIND N 2, BARO 1009. , AIR TEMP. DRY 24.0, WET , , CLOUD. TYPE , AMT , WEATHER

0	26.16	32.500								0	26.16	32.500		21.12	667	667	.0000
10	23.39	33.480								10	23.39	33.480		22.69	517	517	.0592
20	20.42	34.020								20	20.42	34.020		23.92	399	399	.1051
30	16.64	34.490								30	16.64	34.490		25.23	275	275	.1388
50	11.28	34.540								50	11.28	34.540		26.39	165	166	.1831
75	11.25	34.560								75	11.25	34.560		26.41	163	164	.2244
102	11.24	34.580															

KOREA ,HAN RA SAN , STATION 312-07 , 34-055. N, 125-000. E, AUG.13.1979, 23.55 KST, DEPTH 92 , COLOR , TRANS. , ,

WAVE 2, SWELL 2, WIND NE 2, BARO 1008.5, AIR TEMP. DRY 24.4, WET , , CLOUD. TYPE , AMT , WEATHER ,

0	27.75	33.010								0	27.75	33.010		21.00	678	678	.0000
10	27.63	33.220								10	27.63	33.220		21.20	660	660	.0669
20	21.19	33.060								20	21.19	33.060		22.99	488	489	.1244
30	15.30	33.480								30	15.30	33.480		24.76	320	320	.1649
50	11.33	34.290								50	11.35	34.290		26.18	184	185	.2155
75	11.30	34.400								75	11.30	34.400		26.27	175	177	.2609
90	11.25	34.470															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2 N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA ,HAN RA SAN , STATION 312-08 , 34- 55. N, 124-40. E, AUG.13.1979, 22.05 KST, DEPTH 92 , COLOR , TRANS. , ,																	
WAVE 2, SWELL 2, WIND NE 2, BARO 1003.5, AIR TEMP. DRY 24.0, WET . , CLOUD. TYPE , AMT , WEATHER ,																	
0	27.60	33.260								0	27.60	33.260		21.24	656	655	.0000
10	27.60	32.940								10	27.60	32.940		21.00	679	679	.0668
20	22.60	35.100								20	22.60	35.100		22.63	523	523	.1269
30	15.02	33.500								30	15.02	33.500		24.83	312	313	.1687
50	11.37	34.020								50	11.37	34.020		25.97	205	205	.2207
75	11.30	34.310								75	11.30	34.310		26.20	182	183	.2694
90	11.30	34.420															
KOREA ,HAN RA SAN , STATION 312-09 , 34-055. N, 124-50. E, AUG.13.1979, 20.15 KST, DEPTH 86 , COLOR , TRANS. , ,																	
WAVE 2, SWELL 2, WIND NE 2, BARO 1003. , AIR TEMP. DRY 26.0, WET . , CLOUD. TYPE , AMT , WEATHER , ,																	
0	27.66	33.240								0	27.66	33.240		21.20	659	659	.0000
10	27.48	33.080								10	27.48	33.080		21.14	665	665	.0662
20	21.88	33.840								20	21.88	33.840		23.39	450	450	.1220
30	14.59	34.090								30	14.59	34.090		25.38	260	261	.1576
50	12.43	34.200								50	12.43	34.200		25.91	210	211	.2050
83	11.25	34.310															
KOREA ,HAN RA SAN , STATION 312-10 , 34-055. N, 124-240. E, AUG.13.1979, 18.25 KST, DEPTH 80 , COLOR 2, TRANS. 19.0,																	
WAVE 2, SWELL 1, WIND NE 2, BARO 1003. , AIR TEMP. DRY 27.3, WET . , CLOUD. TYPE AS, AMT 3, WEATHER BC,																	
0	27.85	33.330								0	27.85	33.330		21.21	658	658	.0000
10	27.30	33.530								10	27.30	33.530		21.54	627	627	.0643
20	22.35	33.550								20	22.35	33.550		23.04	483	484	.1199
30	14.00	34.310								30	14.00	34.310		25.67	232	233	.1558
50	11.95	34.360								50	11.95	34.360		26.12	190	191	.1982
77	11.04	34.400															

10 월 (October)

KOREA ,CHUN MA SAN , STATION 312-02 , 33-585. N, 126-660. E, OCT.22.1979, 11.10 KST, DEPTH 75 , COLOR 3, TRANS. 18.0,

WAVE 4, SWELL 2, WIND NNE 4, BARO 1022. , AIR TEMP. DRY 16.0, WET . , CLOUD. TYPE AS, AMT 8, WEATHER C ,

OBSERVED DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	INTERPOLATED DEPTH	TEMP	SAL	O2	CALCULATED SIGMA-T	D.T	SVA	D.DY
0	18.01	32.850								0	18.01	32.850		23.65	425	425	.0000
10	18.68	32.830								10	18.68	32.830		23.47	443	443	.0434
20	18.63	32.900								20	18.63	32.900		23.53	436	437	.0875
30	17.27	33.590								30	17.27	33.590		24.39	355	355	.1271
50	14.63	34.310								50	14.63	34.310		25.54	245	246	.1873
72	14.49	34.430															

KOREA ,CHUN MA SAN , STATION 312-03 , 33-598. N, 126-540. E, OCT.22.1979, 12.50 KST, DEPTH 72 , COLOR 3, TRANS. 16.5,

WAVE 4, SWELL 2, WIND NNW 4, BARO 1020.7, AIR TEMP. DRY 17.0, WET . , CLOUD. TYPE CI, AMT 1, WEATHER B ,

OBSERVED DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	INTERPOLATED DEPTH	TEMP	SAL	O2	CALCULATED SIGMA-T	D.T	SVA	D.DY
0	18.09	33.290								0	18.09	33.290		23.96	395	395	.0000
10	17.33	33.350								10	17.33	33.350		24.19	373	373	.0385
20	16.74	33.480								20	16.74	33.480		24.43	351	351	.0747
30	17.63	33.550								30	17.63	33.550		24.27	366	366	.1107
50	15.76	34.160								50	15.76	34.160		25.18	280	281	.1755
70	15.03	34.430															

KOREA ,CHUN MA SAN , STATION 312-04 , 34-013. N, 125-420. E, OCT.22.1979, 14.30 KST, DEPTH 69 , COLOR 3, TRANS. 17. ,

WAVE 4, SWELL 2, WIND NW 4, BARO 1020. , AIR TEMP. DRY 17.0, WET . , CLOUD. TYPE CI, AMT 1, WEATHER B ,

OBSERVED DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	INTERPOLATED DEPTH	TEMP	SAL	O2	CALCULATED SIGMA-T	D.T	SVA	D.DY
0	18.35	32.080								0	18.35	32.080		22.98	489	489	.0000
10	17.89	33.020								10	17.89	33.020		23.81	410	410	.0450
20	15.84	33.710								20	15.84	33.710		24.81	314	315	.0813
30	16.91	34.270								30	16.91	34.270		24.99	297	298	.1120
50	14.16	34.400								50	14.16	34.400		25.71	229	230	.1648
66	14.22	34.400															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-Dy
KOREA ,CHUN MA SAN , STATION 312-05 , 34-026. N, 125-300. E, OCT.22.1979, 16.10 KST, DEPTH 91 , COLOR 3, TRANS. 19. ,																	
WAVE 4, SWELL 2, WIND NW 4, BARO 1020. , AIR TEMP. DRY 16.5, WET . , CLOUD. TYPE CI, AMT 1, WEATHER B ,																	
0	17.52	33.350								0	17.52	33.350		24.15	378	377	.0000
10	17.46	33.210								10	17.46	33.210		24.05	387	387	.0383
20	17.19	33.280								20	17.19	33.280		24.17	375	376	.0764
30	16.73	33.500								30	16.73	33.500		24.45	349	350	.1127
50	14.59	33.960								50	14.59	33.960		25.28	270	271	.1749
75	14.19	33.750								75	14.19	33.750		25.20	277	279	.2438
88	13.16	34.340															
KOREA ,CHUN MA SAN , STATION 312-06 , 34-041. N, 125-180. E, OCT.22.1979, 17.50 KST, DEPTH 101 , COLOR , TRANS. . ,																	
WAVE 3, SWELL 2, WIND NW 3, BARO 1020. , AIR TEMP. DRY 17.0, WET . , CLOUD. TYPE CI, AMT 1, WEATHER B ,																	
0	16.23	33.910								0	16.23	33.910		24.88	308	308	.0000
10	15.55	33.950								10	15.55	33.950		25.06	291	291	.0300
20	15.40	33.930								20	15.40	33.930		25.08	289	289	.0590
30	15.34	33.230								30	15.34	33.230		24.56	339	339	.0905
50	14.95	34.110								50	14.95	34.110		25.32	266	267	.1513
75	13.44	34.330								75	13.44	34.330		25.80	220	222	.2125
98	13.53	34.310															
KOREA ,CHUN MA SAN , STATION 312-07 , 34-055. N, 125-000. E, OCT.22.1979, 20.30 KST, DEPTH 92 , COLOR , TRANS. . ,																	
WAVE 3, SWELL 2, WIND NW 3, BARO 1020. , AIR TEMP. DRY 16.5, WET . , CLOUD. TYPE , AMT , WEATHER ,																	
0	16.52	33.840								0	16.52	33.840		24.76	320	319	.0000
10	16.35	33.780								10	16.35	33.780		24.75	320	320	.0320
20	16.23	33.870								20	16.23	33.870		24.85	311	311	.0637
30	15.52	33.870								30	15.52	33.870		25.01	296	296	.0941
50	14.51	33.980								50	14.51	33.980		25.31	267	268	.1506
75	13.13	34.250								75	13.13	34.250		25.81	220	221	.2119
90	12.87	34.310															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,CHUN MA SAN , STATION 312-08 , 34-055. N, 124-480. E, OCT.22.1979, 22.20 KST, DEPTH 93 , COLOR , TRANS. , ,																	
WAVE 3, SWELL 2, WIND NW 3, BARO 1020.5, AIR TEMP. DPY 14.0, WET , , CLOUD. TYPE , AMT , WEATHER ,																	
0	18.24	33.770								0	18.24	33.770		24.29	364	364	.0000
10	18.05	33.770								10	18.05	33.770		24.34	359	359	.0362
20	16.95	33.850								20	16.95	33.850		24.66	328	329	.0707
30	16.55	33.500								30	16.55	33.500		24.49	345	346	.104'
50	14.71	33.360								50	14.71	33.860		25.18	280	281	.1672
75	13.53	34.070								75	13.53	34.070		25.59	241	242	.2327
90	12.89	34.220															
KOREA ,CHUN MA SAN , STATION 312-09 , 34-055. N, 124-360. E, OCT.23.1979, 00.00 KST, DEPTH 86 , COLOR , TRANS. , ,																	
WAVE 3, SWELL 1, WIND NW 3, BARO 1021. , AIR TEMP. DRY 13.5, WET , , CLOUD. TYPE , AMT , WEATHER ,																	
0	18.08	32.790								0	18.08	32.790		23.58	431	431	.0000
10	17.07	33.100								10	17.07	33.100		24.06	386	386	.0409
20	13.76	33.730								20	13.76	33.730		25.28	270	270	.0738
30	12.27	34.130								30	12.27	34.130		25.88	213	213	.0980
50	11.94	34.220								50	11.94	34.220		26.01	200	201	.1395
83	11.77	34.220															
KOREA ,CHUN MA SAN , STATION 312-10 , 34-055. N, 124-240. E, OCT.23.1979, 01.50 KST, DEPTH 80 , COLOR , TRANS. , ,																	
WAVE 3, SWELL 1, WIND NW 3, BARO 1021. , AIR TEMP. DRY 13.0, WET , , CLOUD. TYPE , AMT , WEATHER ,																	
0	18.18	32.940								0	18.18	32.940		23.67	423	423	.0000
10	16.99	32.770								10	16.99	32.770		23.83	408	408	.0416
20	13.58	33.820								20	13.58	33.820		25.38	260	260	.0751
30	12.00	34.000								30	12.00	34.000		25.83	217	218	.0990
50	11.62	34.200								50	11.62	34.200		26.06	196	197	.1405
77	11.45	34.220															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA T	D T	SVA	D-DY

12 월 (December)

KOREA ,HAN RA SAN , STATION 312-02 , 33-585. N, 126-060. E, DEC.18.1979, 10.20 KST, DEPTH 86 , COLOR 6, TRANS. 2. ,

WAVE 1, SWELL 1, WIND N 1, BARO 1029.3, AIR TEMP. DRY 9.5, WET . , CLOUD. TYPE AS, AMT 2, WEATHER B ,

0	14.56	34.250								0	14.56	34.250		25.51	248	248	.0000
10	14.43	34.310								10	14.43	34.310		25.58	241	241	.0245
20	14.34	34.430								20	14.34	34.430		25.69	230	231	.0481
30	13.86	34.780								30	13.86	34.780		26.06	195	196	.0695
50	12.07	34.790								50	12.07	34.790		26.43	160	161	.1053
83	12.26	34.830															

KOREA ,HAN RA SAN , STATION 312-03 , 33-598. N, 126-540. E, DEC.18.1979, 05.35 KST, DEPTH 75 , COLOR 5, TRANS. 2.5,

WAVE 1, SWELL 1, WIND N 1, BARO 1028.5, AIR TEMP. DRY 8.5, WET . , CLOUD. TYPE AS, AMT 6, WEATHER BC,

0	12.55	33.750								0	12.55	33.750		25.53	246	245	.0000
10	12.40	34.090								10	12.40	34.090		25.83	218	218	.0232
20	12.49	34.130								20	12.49	34.130		25.84	217	217	.0456
30	12.50	34.580								30	12.50	34.580		26.19	184	184	.0651
50	12.47	34.650								50	12.47	34.650		26.25	178	179	.1015
72	12.49	34.670															

KOREA ,HAN RA SAN , STATION 312-04-, 34-013. N, 125-420. E, DEC.18.1979, 06.50 KST, DEPTH 83 , COLOR , TRANS. . ,

WAVE 1, SWELL 1, WIND N 2, BARO 1028. , AIR TEMP. DRY 7.8, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	14.45	34.220								0	14.45	34.220		25.51	248	248	.0000
10	14.26	34.220								10	14.26	34.220		25.55	244	244	.0246
20	14.38	34.270								20	14.38	34.270		25.56	243	243	.0491
30	14.40	34.290								30	14.40	34.290		25.57	242	242	.0734
50	14.39	34.310								50	14.39	34.310		25.59	240	241	.1219
80	14.49	34.400															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA ,HAN RA SAN , STATION 312-05 , 34-026. N, 125-300. E, DEC.18.1979, 05.00 KST, DEPTH 94 , COLOR , TRANS. ,																	
WAVE 1, SWELL 1, WIND N 2, BARO 1028. , AIR TEMP. DRY 8.0, WET . , CLOUD. TYPE , AMT , WEATHER ,																	
0	14.71	34.340								0	14.71	34.340		25.55	245	244	.0000
10	14.72	34.360								10	14.72	34.360		25.56	243	243	.0244
20	14.60	34.330								20	14.60	34.380		25.60	239	240	.0486
30	14.70	34.380								30	14.70	34.380		25.58	241	242	.0728
50	14.72	34.380								50	14.72	34.380		25.57	242	243	.1213
75	14.66	34.450								75	14.66	34.450		25.64	236	237	.1815
90	14.74	34.490															
KOREA ,HAN RA SAN , STATION 312-06 , 34-041. N, 125-180. E, DEC.18.1979, 03.10 KST, DEPTH 102 , COLOR , TRANS. ,																	
WAVE 1. SWELL 1, WIND NW 2, BARO 1030. , AIR TEMP. DRY 8.0, WET . , CLOUD. TYPE , AMT , WEATHER ,																	
0	14.00	33.960								0	14.00	33.960		25.40	258	258	.0000
10	14.64	34.020								10	14.64	34.020		25.31	267	267	.0263
20	14.58	34.070								20	14.58	34.070		25.37	262	262	.0527
30	14.54	34.090								30	14.54	34.090		25.39	259	260	.0789
50	14.26	34.090								50	14.26	34.090		25.45	254	255	.1305
75	14.20	34.150								75	14.20	34.150		25.51	248	250	.1937
100	13.94	34.310															
KOREA ,HAN RA SAN , STATION 312-07 , 34-055. N, 125-000. E, DEC.18.1979, 00.40 KST, DEPTH 90 , COLOR , TRANS. ,																	
WAVE 1, SWELL 1, WIND NW 2, BARO 1030. , AIR TEMP. DRY 7.8, WET . , CLOUD. TYPE , AMT , WEATHER ,																	
0	14.50	33.780								0	14.50	33.780		25.14	281	281	.0000
10	14.48	34.020								10	14.48	34.020		25.35	263	263	.0273
20	14.52	34.050								20	14.52	34.050		25.36	262	262	.0536
30	14.53	34.050								30	14.53	34.050		25.36	262	263	.0799
50	14.45	34.070								50	14.45	34.070		25.39	259	260	.1322
75	13.40	34.130								75	13.40	34.130		25.66	234	235	.1943
87	13.99	34.160															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA ,HAN RA SAN , STATION 312-08 , 34-055. N, 124-480. E, DEC.17.1979, 22.50 KST, DEPTH 94 , COLOR , TRANS. . ,																	
WAVE 1, SWELL 1, WIND NW 2, BARO 1030. , AIR TEMP. DRY 8.0, WET . , CLOUD. TYPE , AMT , WEATHER ,																	
0	13.60	33.590								0	13.60	33.590		25.20	277	277	.0000
10	13.71	33.600								10	13.71	33.600		25.19	279	279	.0278
20	13.73	33.620								20	13.73	33.620		25.20	278	278	.0557
30	13.75	33.690								30	13.75	33.690		25.25	273	273	.0833
50	13.64	33.770								50	13.64	33.770		25.33	265	266	.1374
75	13.78	33.860								75	13.78	33.860		25.37	261	263	.2036
90	13.76	34.070															
KOREA ,HAN RA SAN , STATION 312-09 , 34-055. N, 124-360. E, DEC.17.1979, 21.00 KST, DEPTH 85 , COLOR , TRANS. . ,																	
WAVE 1, SWELL 1, WIND NW 2, BARO 1029.5, AIR TEMP. DRY 8.5 WET . , CLOUD. TYPE , AMT , WEATHER ,																	
0	13.82	33.800								0	13.82	33.800		25.32	266	266	.0000
10	13.78	33.890								10	13.78	33 890		25.40	259	259	.0263
20	13.70	33.040								20	13.70	33.040		24.76	320	320	.0553
30	13.53	34.070								30	13.53	34.070		25.59	241	241	.0834
50	13.48	34.130								50	13.48	34.130		25.64	235	236	.1312
82	13.02	34.180															
KOREA ,HAN RA SAN , STATION 312-10 , 34-055. N, 124-240. E, DEC.17.1979, 19.10 KST, DEPTH 78 , COLOR , TRANS. . ,																	
WAVE 1, SWELL 1, WIND NW 2, BARO 1028.8, AIR TEMP. DRY 8.8, WET . , CLOUD. TYPE , AMT , WEATHER ,																	
0	13.42	33.590								0	13.42	33.590		25.24	274	274	.0000
10	13.51	33.590								10	13.51	33.590		25.22	276	276	.0275
20	13.63	33.600								20	13.63	33.600		25.20	277	277	.0552
30	13.28	33.620								30	13.28	33.620		25.29	269	269	.0826
50	13.41	33.640								50	13.41	33.640		25.28	270	271	.1367
75	13.40	33.800															

제 3 편

한일공동해양관측성적

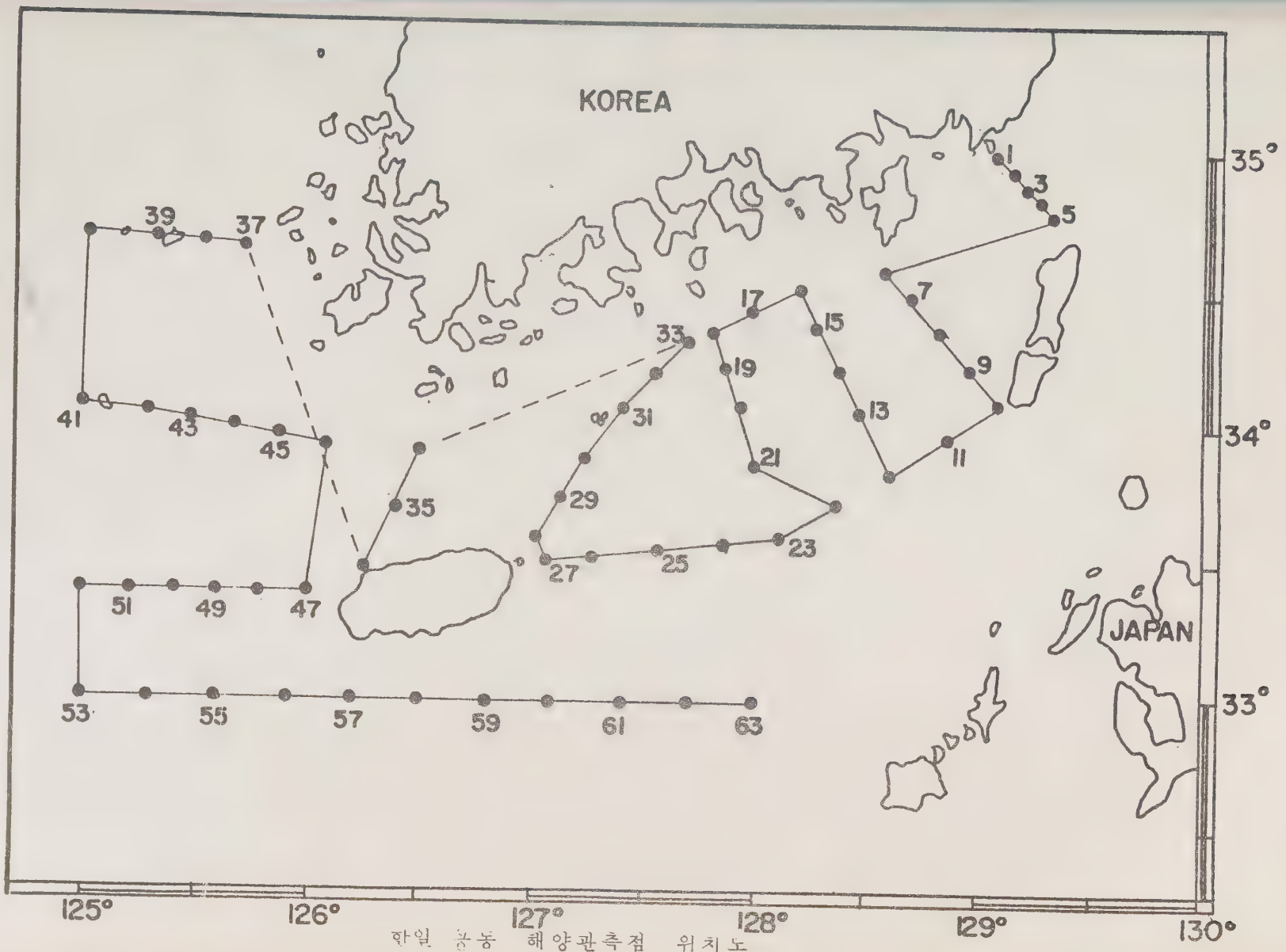
(400선)

PART 3

KOREA-JAPAN COOPERATIVE OCEANOGRAPHIC DATA

(Line 400)

1979



한일 공동 해양관측점 위치도

Location of the Korea-Japan Cooperative Oceanographic Stations

한일 공동 해양관측점 위치표

Position of the Korea-Japan Cooperative Oceanographic Stations

St.No.	Latitude (N)	Longitude (E)	SERIAL Oceon. St.
01	35° 01.3'	129° 07.2'	207/01
02	34° 57.6'	129° 11.2'	02
03	34° 53.9'	129° 15.4'	03
04	34° 50.2'	129° 19.5'	04
05	34° 48.0'	129° 21.8'	05
06	34° 35.5'	128° 34.5'	206/01
07	34° 29.6'	128° 41.2'	02
08	34° 22.4'	128° 49.7'	03
09	34° 15.3'	128° 58.0'	04
10	34° 08.1'	129° 06.3'	05
11	33° 58.3'	128° 54.0'	
12	33° 51.7'	128° 39.0'	
13	34° 04.6'	128° 30.0'	
14	34° 13.5'	128° 24.0'	
15	34° 22.2'	128° 18.4'	
16	34° 31.0'	128° 12.2'	
17	34° 27.0'	128° 00.5'	
18	34° 22.3'	127° 48.5'	205/01
19	34° 15.0'	127° 52.1'	02
20	34° 05.5'	127° 56.9'	03
21	33° 51.5'	128° 03.0'	04
22	33° 44.3'	128° 23.9'	
23	33° 37.3'	128° 09.2'	205/05
24	33° 35.6'	127° 51.9'	
25	33° 33.6'	127° 34.0'	
26	33° 31.7'	127° 11.8'	
27	33° 30.3'	127° 04.5'	
28	33° 35.8'	127° 03.2'	204/06
29	33° 45.5'	127° 09.2'	05
30	33° 54.1'	127° 15.2'	04
31	34° 06.7'	127° 26.8'	03
32	34° 13.7'	127° 35.4'	02
33	34° 20.8'	127° 43.9'	204/01
34	33° 56.6'	126° 31.4'	203/01
35	33° 47.5'	126° 26.3'	02
36	33° 38.3'	126° 21.3'	03
37	34° 43.0'	125° 43.9'	311/04
38	34° 43.0'	125° 31.9'	05
39	34° 43.0'	125° 19.4'	06
40	34° 43.0'	125° 00.0'	07
41	34° 05.5'	125° 00.0'	312/07
42	34° 04.1'	125° 18.0'	06
43	34° 02.6'	125° 30.0'	05
44	34° 01.3'	125° 42.0	04
45	33° 59.8'	125° 54.0'	03
46	33° 58.5'	126° 06.0	02
47	33° 24.4'	126° 00.0'	313/02
48	33° 24.4'	125° 48.0'	03
49	33° 24.4'	125° 36.0'	04
50	33° 24.4'	125° 24.0'	05
51	33° 24.4'	125° 12.0'	06
52	33° 24.4'	125° 00.0'	07
53	33° 00.0'	125° 00.0'	314/10
54	33° 00.0'	125° 18.0'	09
55	33° 00.0'	125° 36.0'	08
56	33° 00.0'	125° 54.0'	07
57	33° 00.0'	126° 12.0'	06
58	33° 00.0'	126° 30.0'	05
59	33° 00.0'	126° 48.0'	04
60	33° 00.0'	127° 06.0'	03
61	33° 00.0'	127° 24.0'	02
62	33° 00.0'	127° 42.0'	01
63	33° 00.0'	128° 00.0'	00

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

2 월 (February)

KOREA ,TAE BAEK SAN , STATION 400-11 , 33-58. N, 128-54. E, FEB. 8.1979, 13.10 KST, DEPTH 116 , COLOR 3, TRANS. 14.

WAVE 2, SWELL 1, WIND NW 2, BARO 1023. , AIR TEMP. DRY 9.8, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	15.40	34.440								0	15.40	34.440		25.47	252	251	.0000
10	15.40	34.450								10	15.40	34.450		25.48	251	251	.0252
20	15.40	34.510								20	15.40	34.510		25.52	247	247	.0501
30	15.42	34.500								30	15.42	34.500		25.51	248	248	.0749
50	15.45	34.480								50	15.45	34.480		25.49	250	251	.1249
75	15.45	34.450								75	15.45	34.450		25.47	252	254	.1881
100	15.42	34.470															

KOREA ,TAE BAEK SAN , STATION 400-12 , 33-57. N, 128-39. E, FEB. 8.1979, 14.50 KST, DEPTH 109 , COLOR 3, TRANS. 14. ,

WAVE 2, SWELL 1, WIND NW 2, BARO 1020. , AIR TEMP. DRY 10.7, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	15.39	34.440								0	15.39	34.440		25.47	251	251	.0000
10	15.40	34.450								10	15.40	34.450		25.48	251	251	.0252
20	15.44	34.460								20	15.44	34.460		25.48	251	251	.0503
30	15.34	34.500								30	15.34	34.500		25.53	246	247	.0753
50	15.34	34.480								50	15.34	34.480		25.52	247	249	.1249
75	15.39	34.440								75	15.39	34.440		25.47	251	253	.1877
100	15.01	34.430															

KOREA ,TAE BAEK SAN , STATION 400-13 , 34-04. N, 128-30. E, FEB. 8.1979, 10.55 KST, DEPTH [illegible] , COLOR 3, TRANS. 12. ,

WAVE 2, SWELL 1, WIND NW 2, BARO 1023. , AIR TEMP. DRY 10.5, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	14.45	34.240								0	14.45	34.240		25.52	247	246	.0000
10	15.00	34.250								10	15.00	34.250		25.41	257	257	.0252
20	14.09	34.280								20	14.09	34.280		25.63	236	237	.0500
30	12.92	34.200								30	12.92	34.200		25.81	220	220	.0728
50	12.25	34.220								50	12.25	34.220		25.96	206	207	.1156
75	11.62	34.130								75	11.62	34.130		26.00	201	202	.1668
88	11.45	34.110															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,TAE BAEK SAN , STATION 400-14 , 34-135. N, 128-240. E, FEB. 8.1979, 09.30 KST, DEPTH 85 , COLOR 3, TRANS. 12.																	
WAVE 2, SWELL 1, WIND NW 2, BARO 1021. , AIR TEMP. DRY 10.5, WET . , CLOUD. TYPE , AMT , WEATHER B ,																	
0	11.70	34.140								0	11.70	34.140		26.00	202	201	.0000
10	11.42	34.150								10	11.42	34.150		26.06	196	196	.0199
20	11.38	34.130								20	11.38	34.130		26.05	197	197	.0396
30	11.15	34.120								30	11.15	34.120		26.08	193	194	.0592
50	10.75	34.080								50	10.75	34.080		26.12	190	190	.0977
75	10.60	34.080															
KOREA ,TAE BAEK SAN , STATION 400-15 , 34-222. N, 128-184. E, FEB. 8.1979, 08.20 KST, DEPTH 70 , COLOR 3, TRANS. 9. ,																	
WAVE 2, SWELL 1, WIND NW 2, BARO 1021. , AIR TEMP. DRY 8.0, WET . , CLOUD. TYPE , AMT , WEATHER B ,																	
0	10.60	34.160								0	10.60	34.160		26.21	181	181	.0000
10	11.31	34.170								10	11.31	34.170		26.09	193	192	.0187
20	11.38	34.200								20	11.38	34.200		26.10	192	192	.0380
30	11.30	34.160								30	11.30	34.160		26.09	193	193	.0573
50	11.01	34.150								50	11.01	34.150		26.13	189	190	.0957
65	10.10	34.290															
KOREA ,TAE BAEK SAN , STATION 400-16 , 34-310. N, 128-122. E, FEB. 8.1979, 05.30 KST, DEPTH 40 , COLOR , TRANS. . ,																	
WAVE 2, SWELL 1, WIND NW 2, BARO 1020. , AIR TEMP. DRY 7.5, WET . , CLOUD. TYPE , AMT , WEATHER B ,																	
0	11.38	34.180								0	11.38	34.180		26.09	193	193	.0000
10	11.41	34.180								10	11.41	34.180		26.08	194	193	.0194
20	11.00	34.160								20	11.00	34.160		26.14	188	188	.0385
30	10.80	34.150								30	10.80	34.150		26.17	185	186	.0572
35	10.61	34.150															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 400-17 , 34-270. N, 128-005. E, FEB. 8.1979, 06.40 KST, DEPTH 40 , COLOR , TRANS. ,

WAVE 2, SWELL 1, WIND NW 2, BARO 1021. , AIR TEMP. DRY 7.0, WET , CLOUD. TYPE , AMT , WEATHER B ,

0	11.02	34.140	0	11.02	34.140	26.12	190	189	.0000
10	11.00	34.160	10	11.00	34.160	26.14	188	188	.0189
20	11.02	34.110	20	11.02	34.110	26.10	192	192	.0380
30	11.00	33.990	30	11.00	33.990	26.01	200	201	.0577
35	9.79	******							

KOREA ,TAE BAEK SAN , STATION 400-22 , 33-443. N, 128-239. E, FEB. 8.1979, 16.20 KST, DEPTH 102 , COLOR , TRANS. ,

WAVE 2, SWELL 1, WIND NW 2, BARO 1021. , AIR TEMP. DRY 10.7, WET , CLOUD. TYPE , AMT , WEATHER B ,

0	15.34	34.520	0	15.34	34.520	25.55	245	244	.0000
10	15.31	34.460	10	15.31	34.460	25.51	248	248	.0247
20	15.33	34.500	20	15.33	34.[illegible]	25.53	246	246	.0494
30	15.29	34.430	30	15.29	34.480	25.53	246	247	.0741
50	15.25	34.460	50	15.25	34.460	25.52	247	248	.1238
75	14.82	34.440	75	14.82	34.440	25.60	240	241	.1851
100	14.51	34.380							

KOREA ,TAE BAEK SAN , STATION 400-24 , 33-356. N, 127-519. E, FEB. 9.1979, 13.15 KST, DEPTH 90 , COLOR 3, TRANS. 8.

WAVE 2, SWELL 1, WIND NE 3, BARO 1022. , AIR TEMP. DRY 12.6, WET , CLOUD. TYPE CU, AMT 10, WEATHER C ,

0	16.48	34.420	0	16.48	34.420	25.21	276	276	.0000
10	16.40	34.400	10	16.40	34.400	25.21	276	276	.0277
20	16.30	34.400	20	16.30	34.400	25.24	274	274	.0552
30	16.33	34.400	30	16.33	34.400	25.23	275	275	.0828
50	16.31	34.400	50	16.31	34.400	25.23	274	275	.1379
75	16.26	34.360	75	16.26	34.360	25.22	276	278	.2072
85	16.10	34.390							

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA ,TAE BAEK SAN , STATION 400-25 , 33-336. N, 127-340. E, FEB. 9.1979, 11.30 KST, DEPTH 95 , COLOR 3, TRANS. 13. ,																	
WAVE 2, SWELL 1, WIND NE 3, BARO 1022. , AIR TEMP. DRY 12.6, WET . , CLOUD. TYPE CU, AMT 10. WEATHER C ,																	
0	16.20	34.380								0	16.20	34.380		25.24	273	273	.0000
10	16.11	34.400								10	16.11	34.400		25.28	270	270	.0272
20	16.00	34.330								20	16.00	34.330		25.25	273	273	.0544
30	15.90	34.360								30	15.90	34.360		25.30	268	269	.0815
50	15.90	34.370								50	15.90	34.370		25.33	267	269	.1353
75	15.90	34.380								75	15.90	34.380		25.31	267	269	.2026
99	15.82	34.370															
KOREA ,TAE BAEK SAN , STATION 400-26 , 33-317. N, 127-114. E, FEB. 9.1979, 10.00 KST, DEPTH 110 , COLOR 5, TRANS. 7. ,																	
WAVE 2, SWELL 1, WIND NE 3, BARO 1022. , AIR TEMP. DRY 12.6, WET . , CLOUD. TYPE CU, AMT 10, WEATHER C ,																	
0	16.29	34.390								0	16.29	34.390		25.23	274	274	.0000
10	16.25	34.370								10	16.25	34.370		25.23	275	275	.0275
20	16.27	34.390								20	16.27	34.390		25.24	274	274	.0550
30	16.26	34.390								30	16.26	34.380		25.28	275	275	.0825
50	16.00	34.360								50	16.00	34.360		25.27	270	271	.1373
75	15.51	34.340								75	15.51	34.340		25.37	261	263	.2043
100	15.29	34.350															
KOREA ,TAE BAEK SAN , STATION 400-27 , 33-303. N, 127-045. E, FEB. 9.1979, 08.20 KST, DEPTH 130 , COLOR 5, TRANS. 7. ,																	
WAVE 2, SWELL 1, WIND NE 3, BARO 1022. , AIR TEMP. DRY 12.6, WET . , CLOUD. TYPE CU, AMT 10, WEATHER C ,																	
0	15.73	34.430								0	15.73	34.430		25.39	259	259	.0000
10	16.29	34.470								10	16.29	34.470		25.21	269	269	.0264
20	16.26	34.450								20	16.26	34.450		25.22	269	270	.0534
30	15.84	34.410								30	15.84	34.410		25.35	263	264	.0801
50	15.44	34.430								50	15.44	34.430		25.45	253	254	.1320
75	15.30	34.430								75	15.30	34.430		25.49	251	252	.1955
100	15.20	34.420								100	15.20	34.420		25.50	249	251	.2585
125	15.21	34.430															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

3 월 (March)

KOREA ,TAE BAEK SAN , STATION 400-11 , 33-583. N, 128-540. E, MAR.20.1979, 02.00 KST, DEPTH 93 , COLOR , TRANS. . ,

WAVE NE 2, SWELL NE 1, WIND NE 2, BARO 1017. , AIR TEMP. DRY 11.0, WET . , CLOUD. TYPE AS, AMT 10, WEATHER C ,

0	14.43	34.400		0	14.43	34.400	25.65	234	234	.0000
10	14.50	34.410		10	14.50	34.410	25.64	235	235	.0235
20	14.43	34.390		20	14.43	34.390	25.64	235	235	.0471
30	14.40	34.380		30	14.40	34.380	25.64	235	236	.0707
50	14.37	34.390		50	14.37	34.390	25.66	234	235	.1179
75	14.35	34.410		75	14.35	34.410	25.68	232	234	.1766
93	14.05	34.410								

KOREA ,TAE BAEK SAN , STATION 400-12 , 33-517. N, 128-390. E, MAR.20.1979, 00.20 KST, DEPTH 95 , COLOR , TRANS. . ,

WAVE NE 2, SWELL NE 1, WIND NE 2, BARO 1017. , AIR TEMP. DRY 11.5, WET . , CLOUD. TYPE AS, AMT 10, WEATHER C ,

0	14.25	34.360		0	14.25	34.360	25.66	234	233	.0000
10	14.65	34.370		10	14.65	34.370	25.58	241	241	.0238
20	14.55	34.370		20	14.55	34.370	25.60	239	239	.0479
30	14.45	34.380		30	14.45	34.380	25.63	236	237	.0717
50	14.33	34.370		50	14.33	34.370	25.65	235	236	.1191
75	14.05	34.360		75	14.05	34.360	25.70	230	231	.1776
95	14.04	34.410								

KOREA ,TAE BAEK SAN , STATION 400-13 , 34-046. N, 128-300. E, MAR.20.1979, 04.10 KST, DEPTH 90 , COLOR , TRANS. . ,

WAVE NE 2, SWELL NE 1, WIND N 2, BARO 1017. , AIR TEMP. DRY 10.5, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	13.52	34.200		0	13.52	34.200	25.69	231	231	.0000
10	13.57	34.210		10	13.57	34.210	25.69	231	231	.0232
20	13.44	34.210		20	13.44	34.210	25.71	229	229	.0462
30	13.21	34.190		30	13.21	34.190	25.74	226	226	.0690
50	13.07	34.220		50	13.07	34.220	25.79	221	222	.1139
75	12.58	34.130		75	12.58	34.130	25.82	218	220	.1693
90	12.05	34.090								

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 400-14 , 34-135. N, 128-240. E, MAR.20.1979, 05.20 KST, DEPTH 85 , COLOR , TRANS. . ,

WAVE NE 2, SWELL NE 1, WIND N 2, BARO 1017. , AIR TEMP. DRY 10.5, WET . , CLOUD. TYPE AS, AMT 10, WEATHER C ,

0	13.19	34.020								0	13.19	34.020	25.62	238	238	.0000
10	13.29	34.030								10	13.29	34.030	25.60	239	239	.0239
20	13.28	34.110								20	13.28	34.110	25.67	233	233	.0475
30	13.23	34.090								30	13.23	34.090	25.66	234	234	.0710
50	13.00	34.090								50	13.00	34.090	25.71	229	230	.1175
75	12.69	34.070								75	12.69	34.070	25.75	225	226	.1746
85	12.53	34.060														

KOREA ,TAE BAEK SAN , STATION 400-15 , 34-222. N, 128-184. E, MAR.20.1979, 06.30 KST, DEPTH 60 , COLOR , TRANS. . ,

WAVE NE 2, SWELL NE 1, WIND N 3, BARO 1017. , AIR TEMP. DRY 11.0, WET . , CLOUD. TYPE AC, AMT 8, WEATHER C ,

0	13.60	34.130								0	13.60	34.130	25.62	238	237	.0000
10	13.72	34.090								10	13.72	34.090	25.56	243	243	.0241
20	13.68	34.110								20	13.68	34.110	25.59	241	241	.0483
30	13.67	34.090								30	13.67	34.090	25.57	242	243	.0725
50	12.38	34.020														

KOREA ,TAE BAEK SAN , STATION 400-16 , 34-310. N, 128-122. E, MAR.20.1979, 09.10 KST, DEPTH 40 , COLOR , TRANS. . ,

WAVE NE 2, SWELL NE 1, WIND N 3, BARO 1016. , AIR TEMP. DRY 13.0, WET . , CLOUD. TYPE AC, AMT 8, WEATHER C ,

0	11.39	34.260								0	11.39	34.260	26.15	187	187	.0000
10	11.34	34.270								10	11.34	34.270	26.17	186	186	.0187
20	11.17	34.270								20	11.17	34.270	26.20	183	183	.0372
30	11.08	34.270														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 400-17 , 34-270. N, 128-005. E, MAR.20.1979, 08.00 KST, DEPTH 35 , COLOR , TRANS. , ,

WAVE NE 2, SWELL NE 1, WIND N 3, BARO 1016.5, AIR TEMP. DRY 11.5, WET , , CLOUD. TYPE AC, AMT 8, WEATHER C ,

0	10.65	34.050	0	10.65	34.050	26.12	190	190	.0000
10	10.66	34.050	10	10.66	34.050	26.12	190	190	.0191
20	10.86	34.170	20	10.86	34.170	26.17	185	185	.0379
30	11.04	34.250							

KOREA ,TAE BAEK SAN , STATION 400-22 , 33-443. N, 128-239. E, MAR.19.1979, 22.40 KST, DEPTH 100 , COLOR , TRANS. , ,

WAVE , SWELL , WIND , BARO , , AIR TEMP. DRY .0, WET , , CLOUD. TYPE , AMT , WEATHER ,

0	14.73	34.410	0	14.73	34.410	25.59	240	240	.0000
10	14.81	34.450	10	14.81	34.450	25.61	239	239	.0240
20	14.83	34.410	20	14.83	34.410	25.57	242	242	.0480
30	14.79	34.410	30	14.79	34.410	25.58	241	242	.0723
50	14.79	34.400	50	14.79	34.400	25.57	242	243	.1208
75	14.77	34.420	75	14.77	34.420	25.59	240	242	.1815
100	14.73	34.410							

KOREA ,TAE BAEK SAN , STATION 400-24 , 33-356. N, 127-519. E, MAR.19.1979, 17.40 KST, DEPTH 98 , COLOR , TRANS. , ,

WAVE NE 2, SWELL NE 1, WIND NE 2, BARO 1016.5, AIR TEMP. DRY 11.4, WET , , CLOUD. TYPE AS, AMT 10, WEATHER C ,

0	14.49	34.290	0	14.49	34.290	25.55	244	243	.0000
10	14.63	34.280	10	14.63	34.280	25.52	247	247	.0246
20	14.56	34.260	20	14.56	34.260	25.52	247	248	.0494
30	14.56	34.250	30	14.56	34.250	25.51	248	249	.0742
50	14.38	34.250	50	14.38	34.250	25.55	244	245	.1238
75	14.21	34.280	75	14.21	34.280	25.61	239	241	.1846
98	14.06	34.230							

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA ,TAE BAEK SAN , STATION 400-25 , 33-336. N, 127-340. E, MAR.19.1979, 16.00 KST, DEPTH 100 , COLOR 4, TRANS. . ,																	
WAVE NE 2, SWELL NE 1, WIND NE 2, BARO 1017. , AIR TEMP. DRY 12.4, WET . , CLOUD. TYPE AS, AMT 10, WEATHER C ,																	
0	14.79	34.260								0	14.79	34.260		25.47	252	252	.0000
10	14.79	34.250								10	14.79	34.250		25.46	253	253	.0253
20	14.80	34.270								20	14.80	34.270		25.47	252	252	.0506
30	14.79	34.230								30	14.79	34.280		25.48	251	251	.0758
50	14.81	34.270								50	14.81	34.270		25.47	252	253	.1263
75	14.81	34.250								75	14.81	34.250		25.45	253	255	.1899
100	14.81	34.300															
KOREA ,TAE BAEK SAN , STATION 400-26 , 33-317. N, 127-118. E, MAR.19.1979, 14.20 KST, DEPTH 105 , COLOR , TRANS. . ,																	
WAVE NE 2, SWELL NE 1, WIND NE 2, BARO 1018. , AIR TEMP. DRY 13.0, WET . , CLOUD. TYPE AS, AMT 8, WEATHER C ,																	
0	14.61	34.240								0	14.61	34.240		25.49	250	250	.0000
10	14.64	34.230								10	14.64	34.230		25.48	251	251	.0251
20	14.70	34.240								20	14.70	34.240		25.47	252	252	.0503
30	14.70	34.260								30	14.70	34.260		25.49	250	251	.0755
50	14.61	34.250								50	14.61	34.250		25.50	249	250	.1257
75	14.55	34.230								75	14.55	34.230		25.50	249	251	.1885
100	14.55	34.220															
KOREA ,TAE BAEK SAN , STATION 400-27 , 33-303. N, 127-045. E, MAR.19.1979, 12.40 KST, DEPTH 128 , COLOR 5, TRANS. . ,																	
WAVE NE 2, SWELL NE 1, WIND NE 2, BARO 1019. , AIR TEMP. DRY 13.5, WET . , CLOUD. TYPE CI, AMT 2, WEATHER B ,																	
0	15.30	34.370								0	15.30	34.370		25.44	255	254	.0000
10	14.92	34.400								10	14.92	34.400		25.55	245	245	.0250
20	14.92	34.370								20	14.92	34.370		25.52	247	247	.0496
30	14.98	34.360								30	14.98	34.360		25.50	249	249	.0745
50	14.98	34.420								50	14.98	34.420		25.55	244	245	.1240
75	14.99	34.410								75	14.99	34.410		25.54	245	247	.1857
100	14.94	34.360								100	14.94	34.360		25.51	248	250	.2480
125	14.53	34.380															

OBSERVED									INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-D

4 월 (April)

KOREA ,TAE BAEK SAN , STATION 400-11 , 33-583. N, 128-540. E, APR.11.1979, 06.30 KST, DEPTH 110 , COLOR 3, TRANS. 12. ,

WAVE 1, SWELL 1, WIND NW 2, BARO 1014. , AIR TEMP. DRY 13.5, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	14.80	34.370							0	14.80	34.370	25.55	244	244	.0000
10	14.70	34.330							10	14.70	34.330	25.54	245	245	.0245
20	14.67	34.340							20	14.67	34.340	25.55	244	244	.0490
30	14.69	34.340							30	14.69	34.340	25.55	244	245	.0735
50	14.74	34.370							50	14.74	34.370	25.56	243	244	.1225
75	14.62	34.330							75	14.62	34.330	25.56	243	245	.1838
100	14.70	34.340													

KOREA ,TAE BAEK SAN , STATION 400-12 , 33-517. N, 128-390. E, APR.11.1979, 08.10 KST, DEPTH 110 , COLOR 3, TRANS. 14. ,

WAVE 1, SWELL 1, WIND SW 2, BARO 1014. , AIR TEMP. DRY 14.0, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	14.55	34.290							0	14.55	34.290	25.54	245	245	.0000
10	14.42	34.290							10	14.42	34.290	25.57	242	242	.0244
20	14.31	34.270							20	14.31	34.270	25.58	242	242	.0487
30	14.16	34.250							30	14.16	34.250	25.59	240	241	.0728
50	14.20	34.250							50	14.20	34.250	25.58	241	242	.1212
75	14.10	34.240							75	14.10	34.240	25.60	240	241	.1817
100	14.05	34.250													

KOREA ,TAE BAEK SAN , STATION 400-13 , 34-046. N, 128-500. E, APR.11.1979, 04.40 KST, DEPTH 85 , COLOR , TRANS. . ,

WAVE 1, SWELL 1, WIND SW 2, BARO 1012. , AIR TEMP. DRY 13.5, WET . , CLOUD. TYPE AMT , WEATHER ,

0	14.60	34.340							0	14.60	34.340	25.57	242	242	.0000
10	14.55	34.330							10	14.55	34.330	25.57	242	242	.0243
20	14.50	34.330							20	14.50	34.330	25.58	241	241	.0485
30	14.20	34.300							30	14.20	34.300	25.62	237	238	.0725
50	14.20	34.290							40	14.20	34.290	25.62	238	239	.1202
75	14.70	34.240							[illegible]	14.70	34.240	25.47	252	253	.1819
80	13.52	34.240													

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 400-14 , 34-135. N, 128-240. E, APR.11.1979, 03.15 KST, DEPTH 80 , COLOR , TRANS. , ,

WAVE 1, SWELL 1, WIND SW 2, BARO 1012. , AIR TEMP. DRY 13.7, WET , , CLOUD. TYPE , AMT , WEATHER ,

0	14.50	34.370								0	14.50	34.370		25.61	238	238	.0000
10	14.44	34.300								10	14.44	34.300		25.57	242	242	.0240
20	14.45	34.310								20	14.45	34.310		25.58	241	242	.0483
30	14.38	34.320								30	14.38	34.320		25.60	239	240	.0724
50	14.28	34.280								50	14.28	34.280		25.59	240	241	.1206
75	14.28	34.250															

KOREA ,TAE BAEK SAN , STATION 400-15 , 34-222. N, 128-184. E, APR.11.1979, 02.00 KST, DEPTH 65 , COLOR , TRANS. , ,

WAVE. 1, SWELL 1, WIND SW 2, BARO 1012. , AIR TEMP. DRY 13.7, WET , , CLOUD. TYPE , AMT , WEATHER

0	14.20	34.270								0	14.20	34.270		25.60	239	239	.0000
10	13.11	34.260								10	13.11	34.260		25.82	219	219	.0229
20	12.90	34.250								20	12.90	34.250		25.85	216	216	.0447
30	13.00	34.230								30	13.00	34.230		25.82	219	219	.0665
50	12.80	34.250															

KOREA ,TAE BAEK SAN , STATION 400-16 , 34-310. N, 128-122. E, APR.10.1979, 23.15 KST, DEPTH 40 , COLOR , TRANS. , ,

WAVE 1, SWELL 1, WIND SW 2, BARO 1012. , AIR TEMP. DRY 12.5, WET , , CLOUD. TYPE , AMT , WEATHER ,

0	12.56	34.260								0	12.56	34.260		25.93	208	208	.0000
10	12.48	34.210								10	12.48	34.210		25.90	211	211	.0210
20	12.19	34.290								20	12.19	34.290		26.02	199	200	.0415
30	12.33	34.220															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 400-17 , 34-270. N, 128-605. E, APR.11.1979, 00.20 KST, DEPTH 35 , COLOR , TRANS. . ,

WAVE 1, SWELL 1, WIND SW 2, BARO 1012. , AIR TEMP. DRY 12.0, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	12.24	34.150							0	12.24	34.150	25.90	211	210	.0000
10	12.11	34.140							10	12.11	34.140	25.92	209	209	.0210
20	12.32	34.140							20	12.32	34.140	25.88	213	213	.0422
30	12.62	34.180													

KOREA ,TAE BAEK SAN , STATION 400-22 , 33-443. N, 128-239. E, APR.11.1979, 09.50 KST, DEPTH 120 , COLOR 3, TRANS. 15. ,

WAVE 1, SWELL 1, WIND SW 1, BARO 1014. , AIR TEMP. DRY 14.5, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	15.90	34.390							0	15.90	34.390	25.32	266	266	.0000
10	14.86	34.360							10	14.86	34.360	25.53	246	246	.0256
20	14.76	34.330							20	14.76	34.330	25.53	246	247	.0503
30	14.56	34.320							30	14.56	34.320	25.56	243	243	.0749
50	14.40	34.300							50	14.40	34.300	25.58	241	242	.1236
75	14.37	34.300							75	14.37	34.300	25.59	241	242	.1843
100	14.20	34.290							100	14.20	34.290	25.62	238	240	.2447
115	14.20	34.290													

KOREA ,TAE BAEK SAN , STATION 400-24 , 33-356. N, 127-519. E, APR.12.1979, 15.00 KST, DEPTH 90 , COLOR 4, TRANS. 10. ,

WAVE 1, SWELL 1, WIND SE 2, BARO 1017. , AIR TEMP. DRY 17.0, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	15.50	34.360							0	15.50	34.360	25.39	260	259	.0000
10	15.38	34.380							10	15.38	34.380	25.43	256	256	.0258
20	15.04	34.350							20	15.04	34.350	25.48	251	251	.0514
30	14.90	34.360							30	14.90	34.360	25.52	247	248	.0761
50	14.90	34.350							50	14.90	34.350	25.51	248	249	.1259
75	14.90	34.340							75	14.90	34.340	25.50	249	250	.1754
95	14.92	34.340													

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL.	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA T	D T	SVA	D-DY
KOREA ,TAE BAEK SAN , STATION 400-25 , 33-336. N, 127-340. E, APR.12.1979, 13.30 KST, DEPTH 95 , COLOR 4, TRANS. 10. ,																	
WAVE 1, SWELL 1, WIND SE 1, BARO 1017. , AIR TEMP. DRY 20.0, WET . , CLOUD. TYPE , AMT , WEATHER B ,																	
0	15.54	34.370								0	15.54	34.370		25.39	260	259	.0000
10	15.41	34.360								10	15.41	34.360		25.41	258	258	.0259
20	15.18	34.340								20	15.18	34.360		25.46	253	253	.0513
30	15.02	34.340								30	15.02	34.340		25.48	251	252	.0768
50	14.93	34.360								50	14.93	34.360		25.50	249	250	.1270
75	14.92	34.340								75	14.92	34.340		25.50	249	251	.1897
90	14.98	34.360															
KOREA ,TAE BAEK SAN , STATION 400-26 , 33-317. N, 127-113. E, APR.12.1979, 12.00 KST, DEPTH 102 , COLOR 4, TRANS. 12. ,																	
WAVE 1, SWELL 1, WIND SW 1, BARO 1013. , AIR TEMP. DRY 19.5, WET . , CLOUD. TYPE CI, AMT 5, WEATHER BC,																	
0	15.35	34.330								0	15.35	34.380		25.44	255	255	.0000
10	15.21	34.360								10	15.21	34.360		25.45	254	253	.0255
20	15.03	34.360								20	15.08	34.360		25.48	251	251	.0507
30	15.00	34.350								30	15.00	34.350		25.49	250	250	.0759
50	15.01	34.370								50	15.01	34.370		25.50	249	250	.1260
75	15.05	34.360								75	15.05	34.360		25.49	250	252	.1882
100	15.01	34.360															
KOREA ,TAE BAEK SAN , STATION 400-27 , 33-303. N, 127-045. E, APR.12.1979, 10.30 KST, DEPTH 130 , COLOR 4, TRANS. 14. ,																	
WAVE 1, SWELL 1, WIND SW 1, BARO 1018. , AIR TEMP. DRY 16.3, WET . , CLOUD. TYPE CI, AMT 3, WEATHER BC,																	
0	15.60	34.380								0	15.60	34.380		25.38	260	260	.0000
10	14.83	34.370								10	14.83	34.370		25.54	245	245	.0253
20	15.02	34.350								20	15.02	34.350		25.49	250	251	.0501
30	15.06	34.350								30	15.06	34.350		25.48	251	252	.0753
50		34.360								50		34.360		*****	***	***	******
75	15.01	34.340								75	15.01	34.340		25.48	251	253	******
100	15.06	34.360								100	15.06	34.360		25.48	250	253	******
125	15.00	34.350															

6 월 (June)

KOREA ,TAE BAEK SAN , STATION 400-11 , 33-58S. N, 128-54O. E, JUN.12.1979, 02.10 KST, DEPTH 120 , COLOR , TRANS. , ,

WAVE 1, SWELL , WIND W 2, BARO 1004.5, AIR TEMP. DRY 19.2, WET , , CLOUD. TYPE , AMT , WEATHER ,

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	19.00	33.900								0	19.00	33.900		24.20	373	372	.0000
10	19.19	33.890								10	19.19	33.890		24.15	378	378	.0376
20	18.90	33.980								20	18.90	33.980		24.29	364	365	.0747
30	18.65	34.110								30	18.65	34.110		24.45	349	349	.1105
50	15.26	34.140								50	15.26	34.180		25.30	268	269	.1724
75	15.10	34.220								75	15.10	34.220		25.37	261	263	.2390
100	14.40	34.330								100	14.40	34.330		25.60	239	241	.3022
115	14.36	34.310															

KOREA ,TAE BAEK SAN , STATION 400-12 , 33-51?. N, 128-39O. E, JUN.12.1979, 00.30 KST, DEPTH 108 , COLOR , TRANS. , ,

WAVE 1, SWELL , WIND W 2, BARO 1004.5, AIR TEMP. DRY 19.5, WET , , CLOUD. TYPE , AMT , WEATHER ,

0	21.05	34.020								0	21.05	34.020		23.76	415	415	.0000
10	21.08	34.170								10	21.08	34.170		23.86	405	405	.0410
20	18.40	34.270								20	18.40	34.270		24.63	331	332	.0779
30	18.98	34.310								30	18.98	34.310		24.52	342	343	.1117
50	17.08	34.350								50	17.08	34.350		25.02	295	296	.1757
75	15.05	34.090								75	15.05	34.090		25.28	270	272	.2468
100	14.80	34.320															

KOREA ,TAE BAEK SAN , STATION 400-13 , 34-04?. N, 128-30O. E, JUN.12.1979, 04.00 KST, DEPTH 90 , COLOR , TRANS. , ,

WAVE 1, SWELL , WIND W 2, BARO 1005. , AIR TEMP. DRY 18.5, WET , , CLOUD. TYPE , AMT , WEATHER ,

0	18.31	33.550								0	18.31	33.550		24.11	382	381	.0000
10	17.65	33.950								10	17.65	33.950		24.57	337	337	.0360
20	15.06	33.940								20	15.06	33.940		25.16	281	281	.0669
30	14.50	34.020								30	14.50	34.020		25.34	264	264	.0943
50	14.48	34.030								50	14.48	34.030		25.36	263	264	.1471
75	14.80	34.180								75	14.80	34.180		25.40	258	260	.2127
85	14.35	34.280															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA ,TAE BAEK SAN , STATION 400-14 , 34-135. N, 128-240. E, JUN.12.1979, 05.20 KST, DEPTH 85 , COLOR , TRANS. . ,																	
WAVE 1, SWELL , WIND NW 2, BARO 1004. , AIR TEMP. DRY . 4, WET . , CLOUD. TYPE , AMT , WEATHER ,																	
0	18.27	33.820								0	18.27	33.820		24.32	361	361	.0000
10	17.89	33.830								10	17.89	33.830		24.42	351	351	.0357
20	14.75	34.040								20	14.75	34.040		25.31	267	268	.0666
30	14.50	34.000								30	14.50	34.000		25.33	265	266	.0934
50	14.48	34.220								50	14.48	34.220		25.50	249	250	.1450
75	14.47	34.250															
KOREA ,TAE BAEK SAN , STATION 400-15 , 34-222. N, 128-184. E, JUN.12.1979, 06.20 KST, DEPTH 60 , COLOR , TRANS. . ,																	
WAVE 1, SWELL , WIND NW 2, BARO 1004. , AIR TEMP. DRY 18.5, WET . , CLOUD. TYPE AS, AMT 8, WEATHER C ,																	
0	18.45	34.040								0	18.45	34.040		24.45	349	349	.0000
10	17.83	33.820								10	17.83	33.820		24.43	351	351	.0350
20	14.63	******								20	14.63	******		*****	***	***	******
30	14.42	34.140								30	14.42	34.140		25.45	253	254	******
50	14.50	34.200								50	14.50	34.200		25.48	251	252	******
55	14.43	34.190															
KOREA ,TAE BAEK SAN , STATION 400-16 , 34-310. N, 128-122. E, JUN.12.1979, 09.10 KST, DEPTH 40 , COLOR 5, TRANS. 6. ,																	
WAVE 1, SWELL , WIND NW 2, BARO 1004.5, AIR TEMP. DRY 19.4, WET . , CLOUD. TYPE AS, AMT 8, WEATHER C ,																	
0	18.37	33.900								0	18.37	33.900		24.36	357	357	.0000
10	18.15	33.800								10	18.15	33.800		24.34	360	360	.0359
20	17.48	33.820								20	17.48	33.820		24.52	343	343	.0711
30	14.90	34.010															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 400-17 , 34-270. N, 128-605. E, JUN.12.1979, 08.00 KST, DEPTH 38 , COLOR 5, TRANS. 7. ,

WAVE 1, SWELL , WIND NW 2, BARO 1004.5, AIR TEMP. DRY 19.0, WET . , CLOUD. TYPE AS, AMT 10, WEATHER C ,

0	18.72	33.700	0	18.72	33.700	24.12	380	380	.0000
10	18.54	33.670	10	18.54	33.670	24.14	378	378	.0380
20	14.94	33.970	20	14.94	33.970	25.21	276	277	.0708
30	14.55	34.170							

KOREA ,TAE BAEK SAN , STATION 400-22 , 33-443. N, 128-239. E, JUN.11.1979, 22.50 KST, DEPTH 102 , COLOR , TRANS. . ,

WAVE 1, SWELL , WIND SE 2, BARO 1004. , AIR TEMP. DRY 19.4, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	20.96	34.030	0	20.96	34.030	23.79	412	412	.0000
10	20.96	33.940	10	20.96	33.940	23.72	419	419	.0416
20	19.21	34.090	20	19.21	34.090	24.29	364	364	.0807
30	16.00	34.130	30	16.00	34.130	25.10	287	288	.1134
50	14.39	34.290	50	14.39	34.290	25.58	242	243	.1665
75	14.82	34.290	75	14.82	34.290	25.48	251	252	.2285
100	14.65	34.360							

KOREA ,TAE BAEK SAN , STATION 400-24 , 33-356. N, 127-519. E, JUN. 7.1979, 16.50 KST, DEPTH 95 , COLOR , TRANS. . ,

WAVE 4, SWELL 2, WIND SW 5, BARO 995.5, AIR TEMP. DRY 21.8, WET . , CLOUD. TYPE CU, AMT 10, WEATHER C ,

0	20.91	34.030	0	20.91	34.030	23.80	411	410	.0000
10	20.82	34.140	10	20.82	34.140	23.91	400	400	.0406
20	20.66	34.310	20	20.66	34.310	24.08	384	384	.0799
30	19.30	34.360	30	19.30	34.360	24.48	346	347	.1165
50	17.61	34.230	50	17.61	34.230	24.80	316	317	.1830
75	15.40	34.080	75	15.40	34.080	25.19	278	280	.2577
90	14.62	******							

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	Si	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,TAE BAEK SAN , STATION 400-25 , 33-336. N, 127-340. E, JUN. 7.1979, 15.00 KST, DEPTH 95 , COLOR , TRANS. . ,																	
WAVE 4, SWELL 2, WIND SW 5, BARO 996. , AIR TEMP. DRY 21.4, WET . , CLOUD. TYPE CU, AMT 10, WEATHER C ,																	
0	21.50	34.330								0	21.50	34.330		23.87	404	404	.0000
10	21.47	34.340								10	21.47	34.340		23.88	403	403	.0404
20	20.93	34.360								20	20.93	34.360		24.05	387	388	.0800
30	18.69	34.250								30	18.69	34.250		24.55	340	340	.1164
50	17.68	34.410								50	17.68	34.410		24.92	304	305	.1811
75	15.73	34.140								75	15.73	34.140		25.17	281	282	.2547
90	14.58	34.060															
KOREA ,TAE BAEK SAN , STATION 400-26 , 33-317. N, 127-118. E, JUN. 7.1979, 13.20 KST, DEPTH 106 , COLOR , TRANS. . ,																	
WAVE 4, SWELL 2, WIND SE 5, BARO 997. , AIR TEMP. DRY 21.5, WET . , CLOUD. TYPE CU, AMT 10, WEATHER C ,																	
0	21.09	34.280								0	21.09	34.280		23.94	397	397	.0000
10	21.09	34.230								10	21.09	34.230		23.99	401	401	.0399
20	18.80	34.040								20	18.80	34.040		24.36	355	358	.0779
30	17.59	34.100								30	17.59	34.100		24.70	325	325	.1121
50	17.45	34.220								50	17.45	34.220		24.83	313	314	.1762
75	14.66	34.430								75	14.66	34.430		25.63	237	239	.2454
100	14.50	34.350															
KOREA ,TAE BAEK SAN , STATION 400-27 , 33-303. N, 127-045. E, JUN. 7.1979, 11.30 KST, DEPTH 130 , COLOR , TRANS. . ,																	
WAVE 4, SWELL 2, WIND SE 4, BARO 1007. , AIR TEMP. DRY 21.3, WET . , CLOUD. TYPE CU, AMT 10, WEATHER C ,																	
0	20.50	34.170								0	20.50	34.170		24.02	390	390	.0000
10	20.04	34.220								10	20.04	34.220		24.18	375	375	.0383
20	18.18	34.190								20	18.18	34.190		24.63	332	332	.0737
30	16.91	34.250								30	16.91	34.250		24.98	296	299	.1053
50	15.79	34.210								50	15.79	34.210		25.21	277	278	.1631
75	14.85	34.060								75	14.85	34.060		25.30	268	270	.2317
100	14.22	34.190								100	14.22	34.190		25.53	246	248	.2965
125	14.22	34.250															

8월 (August)

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA T	D T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 400-11 , 33-583. N, 128-540. E, AUG. 8.1979, 14.40 KST, DEPTH 100 , COLOR 3, TRANS. 15. ,

WAVE 2, SWELL 1, WIND NE 3, BARO 1007. , AIR TEMP. DRY 26.4, WET . , CLOUD. TYPE CI, AMT 4, WEATHER BC,

0	26.19	31.690	0	26.19	31.690	20.51	726	726	.0000
10	23.13	32.100	10	23.13	32.100	21.72	609	609	.0668
20	20.17	32.780	20	20.17	32.780	23.05	483	483	.1215
30	18.40	33.100	30	18.40	33.100	23.74	416	417	.1665
50	15.48	33.660	50	15.48	33.660	24.85	310	311	.2394
75	14.77	33.850	75	14.77	33.850	25.16	282	283	.3333
95	14.66	34.220							

KOREA ,TAE BAEK SAN , STATION 400-12 , 33-517. N, 128-390. E, AUG. 8.1979, 16.10 KST, DEPTH 95 , COLOR 2, TRANS. 16. ,

WAVE 2, SWELL 1, WIND NE 3, BARO 1007. , AIR TEMP. DRY 26.6, WET . , CLOUD. TYPE CI, AMT 3, WEATHER BC,

0	26.32	32.000	0	26.32	32.000	20.70	708	707	.0000
10	26.28	31.880	10	26.28	31.880	20.62	715	715	.0712
20	22.91	32.260	20	22.91	32.260	21.91	592	592	.1366
30	21.07	33.230	30	21.06	33.230	23.19	474	474	.1989
50	19.18	34.050	50	19.18	34.050	24.27	366	367	.2741
75	18.20	34.230	75	18.20	34.230	24.65	329	331	.3616
93	18.26	******							

KOREA ,TAE BAEK SAN , STATION 400-13 , 34-046. N, 128-300. E, AUG. 8.1979, 12.20 KST, DEPTH 90 , COLOR 3, TRANS. 12. ,

WAVE 2, SWELL 1, WIND NE 3, BARO 1003. , AIR TEMP. DRY 26.2, WET . , CLOUD. TYPE CI, AMT 3, WEATHER BC,

0	25.93	31.610	0	25.93	31.610	20.53	724	724	.0000
10	25.26	******	10	25.26	******	*****	***	***	******
20	19.70	32.630	20	19.70	32.630	23.06	482	482	******
30	17.37	33.280	30	17.37	33.280	24.13	379	380	******
50	14.65	33.980	50	14.65	33.980	25.28	270	271	******
75	15.00	34.350	75	15.00	34.350	25.49	250	252	******
80	15.01	******							

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA ,TAE BAEK SAN , STATION 400-14 , 34-135. N, 128-240. E, AUG. 8.1979, 11.15 KST, DEPTH 75 , COLOR 3, TRANS. 12. ,																	
WAVE 2, SWELL 1, WIND NE 3, BARO 1008. , AIR TEMP. DRY 25.4, WET . , CLOUD. TYPE CI, AMT 2, WEATHER B ,																	
0	24.86	31.970								0	24.86	31.970		21.12	667	667	.0000
10	23.87	32.210								10	23.87	32.210		21.59	622	622	.0645
20	18.76	33.080								20	18.76	33.080		23.64	426	427	.1169
30	15.15	33.770								30	15.15	33.770		25.01	295	296	.1531
50	14.78	33.820								50	14.78	33.820		25.13	284	285	.2113
72	15.10	34.310															
KOREA ,TAE BAEK SAN , STATION 400-15 , 34-222. N, 128-184. E, AUG. 8.1979, 10.00 KST, DEPTH 55 , COLOR 3, TRANS. 13. ,																	
WAVE 2, SWELL 1, WIND NE 3, BARO 1008. , AIR TEMP. DRY 25.0, WET . , CLOUD. TYPE CI, AMT 2, WEATHER B ,																	
0	24.10	32.180								0	24.10	32.180		21.50	630	630	.0000
10	24.10	32.110								10	24.10	32.110		21.45	635	635	.0633
20	21.34	32.650								20	21.34	32.650		22.64	522	522	.1212
30	18.25	32.830								30	18.25	32.830		23.57	433	433	.1691
50	15.39	33.700															
KOREA ,TAE BAEK SAN , STATION 400-16 , 34-310. N, 128-122. E, AUG. 8.1979, 07.00 KST, DEPTH 45 , COLOR 4, TRANS. 13. ,																	
WAVE 2, SWELL 1, WIND NE 2, BARO 1008. , AIR TEMP. DRY 24.5, WET . , CLOUD. TYPE CI, AMT 3, WEATHER BC,																	
0	23.34	32.340								0	23.34	32.340		21.85	598	597	.0000
10	22.47	32.450								10	22.47	32.450		22.18	566	566	.0582
20	22.24	32.550								20	22.24	32.550		22.32	553	553	.1142
30	20.52	32.910								30	20.52	32.910		23.06	482	483	.1660

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	Si	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 400-17 , 34-270. N, 128-005. E, AUG. 8.1979, 08.15 KST, DEPTH 39 , COLOR 4, TRANS. 14. ,

WAVE 2, SWELL 1, WIND NE 2, BARO 1008. , AIR TEMP. DRY 25.0, WET . , CLOUD. TYPE CI, AMT 2, WEATHER B ,

0	24.21	32.310	0	24.21	32.310	21.57	624	624	.000
10	24.09	32.270	10	24.09	32.270	21.58	624	624	.0624
20	21.78	32.550	20	21.78	32.550	22.44	540	541	.1207
30	19.28	33.730	30	19.28	33.730	24.04	388	389	.1672
35	15.97	******							

KOREA ,TAE BAEK SAN , STATION 400-22 , 33-445. N, 128-239. E, AUG. 8.1979, 17.55 KST, DEPTH 100 , COLOR 3, TRANS. 14. ,

WAVE 2, SWELL 1, WIND NE 3, BARO 1006. , AIR TEMP. DRY 26.8, WET . , CLOUD. TYPE CI, AMT 4, WEATHER BC,

0	26.93	******	0	26.93	******	*****	***	***	.0000
10	26.91	32.070	10	26.91	32.070	20.57	720	720	******
20	21.74	33.040	20	21.74	33.040	22.82	504	504	******
30	20.72	33.940	30	20.72	33.940	23.78	412	413	******
50	18.13	******	50	18.13	******	*****	***	***	******
75	16.05	33.790	75	16.05	33.790	24.83	315	315	******
95	15.19	34.050							

KOREA ,TAE BAEK SAN , STATION 400-24 , 33-556. N, 127-519. E, AUG. 9.1979, 16.00 KST, DEPTH 90 , COLOR 2, TRANS. 19. ,

WAVE 2, SWELL 1, WIND SE 3, BARO 1005. , AIR TEMP. DRY 30.4, WET . , CLOUD. TYPE CC, AMT 4, WEATHER BC,

0	29.87	32.020	0	29.87	32.020	19.56	817	817	.0000
10	29.10	32.810	10	29.10	32.810	20.41	735	735	.0777
20	24.96	34.070	20	24.96	34.070	22.67	518	519	.1404
30	23.69	34.280	30	23.69	34.280	23.21	467	468	.1898
50	16.46	33.950	50	16.46	33.950	24.85	310	311	.2678
75	15.96	34.250	75	15.96	34.250	25.20	278	279	.3418
85	15.86	34.170							

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	DYN
KOREA ,TAE BAEK SAN , STATION 400-25 , 33-336. N, 127-340. E, AUG. 9.1979, 14.20 KST, DEPT 105 , COLOR 2, TRANS. 18. ,																	
WAVE 2, SWELL 1, WIND E 3, BARO 1006. , AIR TEMP. DRY 29.8, WET . , CLOUD. TYPE CC, AMT 4, WEATHER BC,																	
0	29.50	31.790								0	29.50	31.790		19.51	822	821	.0000
10	29.07	31.670								10	29.07	31.670		19.57	816	816	.0819
20	28.41	33.110								20	28.41	33.110		21.86	692	692	.1574
30	23.59	34.170								30	23.59	34.170		23.16	472	475	.2157
50	20.17	34.190								50	20.17	34.190		24.12	350	352	.3011
75	17.37	34.020								75	17.37	34.020		24.69	321	327	.3861
100	15.69	33.770															
KOREA ,TAE BAEK SAN , STATION 400-26 , 33-317. N, 127-118. E, AUG. 9.1979, 12.40 KST, DEPTH 105 , COLOR 3, TRANS. 16. ,																	
WAVE SWELL 1, WIND E 3, BARO 1007. , AIR TEMP. DRY 29.4, WET . , CLOUD. TYPE CC, AMT 4, WEATHER BC,																	
0	28.40	31.210								0	28.40	31.210		19.44	828	828	.0000
10	26.11	31.910								10	26.11	31.910		20.70	708	708	.0768
20	24.34	33.390								20	24.34	33.390		22.35	550	550	.1508
30	20.98	33.760								30	20.98	33.760		23.58	432	433	.1850
50	18.76	33.900								50	18.76	33.900		24.26	367	368	.2693
75	16.68	33.940								75	16.68	33.940		24.80	316	318	.3550
100	15.83	33.930															
KOREA ,TAE BAEK SAN , STATION 400-27 , 33-303. N, 127-045. E, AUG. 9.1979, 11.00 KST, DEPTH 120 , COLOR 3, TRANS. 14. ,																	
WAVE 2, SWELL 1, WIND E 3, BARO 1007. , AIR TEMP. DRY 27.0, WET . , CLOUD. TYPE CI, AMT 8, WEATHER C ,																	
0	27.90	31.210								0	27.90	31.210		19.61	813	812	.0000
10	27.10	31.270								10	27.10	31.270		19.91	784	784	.0789
20	23.76	32.800								20	23.76	32.800		22.07	576	576	.1479
30	19.33	33.600								30	19.33	33.600		23.89	402	405	.1969
50	17.41	34.140								50	17.41	34.140		24.78	316	319	.2694
75	14.95	34.020								75	14.95	34.020		25.25	273	275	.3435
100	15.00	34.200								100	15.00	34.200		25.37	261	263	.4109
115	15.03	34.330															

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA T	D-T	SVA	D-DY

10 월 (October)

KOREA ,TAE BAEK SAN , STATION 400-11 , 33-545. N, 128-540. E, OCT.11.1979, 20.30 KST, DEPTH 115 , COLOR , TRANS.

WAVE 2, SWELL 1, WIND W 3, BARO 1012. , AIR TEMP. DRY 22.1, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	23.12	33.870	0	23.12	33.870	23.06	481	481	.0000
10	23.15	33.840	10	23.15	33.840	23.03	484	484	.0485
20	23.10	33.840	20	23.10	33.840	23.05	483	483	.0967
30	23.03	33.790	30	23.03	33.790	23.03	484	485	.1451
50	22.90	33.780	50	22.90	33.780	23.06	482	483	.2420
75	18.03	33.830	75	18.03	33.830	24.39	355	357	.3471
100	15.60	33.930	100	15.60	33.930	25.03	293	296	.4287
115	15.42	34.110							

KOREA ,TAE BAEK SAN , STATION 400-12 , 33-517. N, 128-390. E, OCT.11.1979, 22.25 KST, DEPTH 105 , COLOR , TRANS.

WAVE 3, SWELL 2, WIND NW 4, BARO 1014. , AIR TEMP. DRY 21.8, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	23.37	33.910	0	23.37	33.910	23.02	485	485	.0000
10	23.32	33.910	10	23.32	33.910	23.04	484	484	.0485
20	23.33	33.890	20	23.33	33.890	23.02	485	486	.0970
30	23.30	33.920	30	23.30	33.920	23.05	482	483	.1455
50	19.09	33.720	50	19.09	33.720	24.04	388	389	.2328
75	19.15	34.130	75	19.15	34.130	24.34	359	361	.3267
100	14.95	34.130							

KOREA ,TAE BAEK SAN , STATION 400-13 , 34-046. N, 128-300. E, OCT.11.1979, 18.00 KST, DEPTH 93 , COLOR , TRANS.

WAVE 2, SWELL 2, WIND NW 3, BARO 1012. , AIR TEMP. DRY 21.2, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	21.52	33.290	0	21.52	33.290	23.07	480	480	.0000
10	22.25	33.350	10	22.25	33.350	22.92	495	495	.0488
20	22.04	33.330	20	22.04	33.330	22.96	491	491	.0982
30	20.67	34.180	30	20.67	34.180	23.98	394	394	.1425
50	17.84	34.260	50	17.84	34.260	24.76	319	320	.2140
75	15.58	34.070	75	15.58	34.070	25.15	283	284	.2897
90	15.49	34.110							

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-SV

KOREA ,TAE BAEK SAN , STATION 400-14 , 34-135. N, 128-240. E, OCT.11.1979, 16.50 KST, DEPTH 80 , COLOR 3, TRANS. 14. ,

WAVE 2, SWELL 1, WIND SW 3, BARO 1013.5, AIR TEMP. DRY 24.1, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	21.32	33.730							0	21.32	33.730	23.46	443	443	.0000
10	21.12	33.810							10	21.12	33.810	23.58	432	432	.0438
20	21.10	33.850							20	21.10	33.850	23.61	429	429	.0869
30	19.58	33.910							30	19.58	33.910	24.06	386	387	.127
50	18.47	33.990							50	18.47	33.990	24.40	353	355	.2019
75	15.54	33.950													

KOREA ,TAE BAEK SAN , STATION 400-15 , 34-222. N, 128-184. E, OCT.11.1979, 15.45 KST, DEPTH 65 , COLOR 5, TRANS. 12. ,

WAVE 2, SWELL 1, WIND SW 3, BARO 1013.5, AIR TEMP. DRY 24.6, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	20.79	33.530							0	20.79	33.530	23.45	444	444	.0000
10	20.25	33.540							10	20.25	33.540	23.60	429	429	.0437
20	20.20	33.530							20	20.20	33.530	23.61	429	429	.0867
30	20.11	33.560							30	20.11	33.560	23.66	424	425	.1295
50	20.05	33.580							50	20.05	33.580	23.69	422	423	.2143
60	17.71	34.160													

KOREA ,TAE BAEK SAN , STATION 400-16 , 34-310. N, 128-122. E, OCT.11.1979, 12.40 KST, DEPTH 42 , COLOR 5, TRANS. 9. ,

WAVE 3, SWELL 2, WIND SW 3, BARO 1013.5, AIR TEMP. DRY 23.2, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	21.30	******							0	21.30	******	*****	***	***	.0000
10	21.37	******							10	21.37	******	*****	***	***	******
20	21.40	******							20	21.40	******	*****	***	***	******
30	21.49	******							30	21.49	******	*****	***	***	******
40	21.75	******													

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 400-17 , 34-270. N, 128-005. E, OCT.11.1979, 14.00 KST, DEPTH 42 , COLOR 5, TRANS. 11. ,

WAVE 2, SWELL 2, WIND SW 3, BARO 1013.5, AIR TEMP. DRY 22.1, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	21.31	33.540	0	21.31	33.540	23.32	457	456	.0000
10	21.33	33.510	10	21.33	33.510	23.29	459	459	.0458
20	21.14	33.670	20	21.14	33.670	23.47	443	443	.0910
30	21.50	33.920	30	21.50	33.920	23.56	434	435	.1349
40	21.60	34.090							

KOREA ,TAE BAEK SAN , STATION 400-22 , 33-443. N, 129-239. E, OCT.12.1979, 00.10 KST, DEPTH 102 , COLOR , TRANS. . ,

WAVE 5, SWELL 3, WIND NE 4, BARO 1014.5, AIR TEMP. DRY 19.6, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	23.02	33.860	0	23.02	33.860	23.09	479	479	.0000
10	23.05	33.860	10	23.05	33.860	23.08	480	480	.0480
20	22.86	33.820	20	22.86	33.820	23.10	4 .	478	.0959
30	22.69	33.820	30	22.69	33.820	23.15	473	474	.1435
50	22.68	33.800	50	22.68	33.800	23.14	474	475	.2385
75	20.47	33.730	75	20.47	33.730	23.69	421	423	.3510
100	18.52	33.960							

KOREA ,TAE BAEK SAN , STATION 400-24 , 33-356. N, 127-519. E, OCT.24.1979, 15.20 KST, DEPTH 90 , COLOR 3, TRANS. 14. ,

WAVE 2, SWELL 1, WIND SW 3, BARO 1015. , AIR TEMP. DRY 25.6, WET . , CLOUD. TYPE AS, AMT 5, WEATHER BC,

0	21.22	34.390	0	21.22	34.390	23.99	393	392	.0000
10	21.20	33.600	10	21.20	33.600	23.40	449	449	.0427
20	21.18	33.630	20	21.18	33.630	23.42	447	447	.0870
30	21.20	33.620	30	21.20	33.620	23.41	448	449	.1310
50	21.10	33.460	50	21.10	33.460	23.32	457	458	.2224
75	21.07	33.640	75	21.07	33.640	23.46	443	445	.3356
95	20.36	33.780							

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 400-25 , 33-336. N, 127-340. E, OCT.24.1979, 13.30 KST, DEPTH 95 , COLOR 3, TRANS. 14. ,

WAVE 3, SWELL 2, WIND SW 4, BARO 1016.5, AIR TEMP. DRY 24.0, WET . , CLOUD. TYPE AS, AMT 5, WEATHER BC,

0	23.33	33.600								0	23.33	33.600		22.80	506	506	.0000
10	23.23	33.690								10	23.28	33.690		22.88	498	498	.0503
20	23.28	33.750								20	23.28	33.750		22.93	494	494	.1000
30	23.22	33.790								30	23.22	33.790		22.98	490	490	.1493
50	23.23	33.830								50	23.23	33.800		22.98	489	490	.2474
75	23.24	33.870								75	23.24	33.870		23.03	484	486	.3647
90	23.28	34.070															

KOREA ,TAE BAEK SAN , STATION 400-26 , 33-317. N, 127-118. E, OCT.24.1979, 11.25 KST, DEPTH 105 , COLOR 3, TRANS. 16. ,

WAVE 3, SWELL 2, WIND SW 4, BARO 1017.5, AIR TEMP. DRY 23.8, WET . , CLOUD. TYPE AS, AMT 5, WEATHER BC,

0	23.45	33.420								0	23.45	33.420		22.63	523	522	.0000
10	23.48	33.400								10	23.48	33.400		22.61	525	525	.0504
20	23.49	33.420								20	23.49	33.420		22.62	524	524	.1009
30	23.43	33.430								30	23.43	33.400		22.62	524	524	.1574
50	23.45	33.640								50	23.45	33.640		22.80	507	508	.2607
75	23.45	33.610								75	23.45	33.610		22.77	509	511	.3852
100	19.77	34.031															

KOREA ,TAE BAEK SAN , STATION 400-27 , 33-303. N, 127-045. E, OCT.24.1979, 09.40 KST, DEPTH 125 , COLOR 3, TRANS. 16. ,

WAVE 3, SWELL 2, WIND SW 4, BARO 1020. , AIR TEMP. DRY 23.0, WET . , CLOUD. TYPE AS, AMT 5, WEATHER BC,

0	23.60	33.370								0	23.60	33.370		22.55	530	530	.0000
10	23.55	33.430								10	23.55	33.430		22.61	525	525	.0528
20	23.59	34.200								20	23.59	34.200		23.18	470	471	.1026
30	23.51	34.300								30	23.51	34.300		23.28	461	461	.1493
50	23.55	34.390								50	23.55	34.390		23.33	455	457	.2412
75	23.51	34.360								75	23.51	34.360		23.32	456	459	.3557
100	20.31	34.330								100	20.31	34.330		24.19	374	377	.4602
120	17.64	34.390															

OBSERVED									INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PN	DEPTH	TEMP	SAL	O2	SIGMA T	D-T	SVA	D-DY

12 月 (December)

KOREA ,TAE BAEK SAN , STATION 400-11 , 33-583. N, 128-540. E, DEC. 7.1979, 11.40 KST, DEPTH 119 , COLOR 3, TRANS. 25, ,

WAVE 3, SWELL 1, WIND NW 3, BARO 1019. , AIR TEMP. DRY 11.8, WET . , CLOUD. TYPE AC, AMT 3, WEATHER BC,

0	17.79	34.380					0	17.79	34.380
10	17.30	34.37[illegible]					10	17.80	34.370
20	17.70	34.360					20	17.79	34.360
30	17.46	34.340					30	17.46	34.340
50	16.96	34.290					50	16.96	34.290
75	16.60	34.290					75	16.60	34.290
100	16.25	34.420					100	16.25	34.420
115	16.00	34.400							

24.87	309	309	.0000
24.86	310	311	.0010
24.87	308	309	.0019
24.92	30[illegible]	305	.0027
25.00	297	298	.[illegible]
25.08	289	290	.[illegible]
25.26	271	274	.[illegible]

KOREA ,TAE BAEK SAN , STATION 400-12 , 33-517. N, 128-390. E, DEC. 7.1979, 13.20 KST, DEPTH 104 , COLOR 3, TRANS. 23 ,

WAVE 4, SWELL 1, WIND NW 4, BARO 1018. , AIR TEMP. DRY 13.0, WET . , CLOUD. TYPE CC, AMT 3, WEATHER BC,

0	19.90	34.520					0	19.90	34.520
10	19.85	34.520					10	19.85	34.520
20	19.74	34.510					20	19.74	34.510
30	19.71	34.520					30	19.71	34.520
50	19.55	34.510					50	19.[illegible]	34.510
75	19.40	34.510					75	19.40	34.510
100	19.60	******							

24.44	350	349	.[illegible]
24.45	348	348	.[illegible]
24.48	348	349	.[illegible]
24.49	34[illegible]	34[illegible]	.[illegible]
24.53	342	343	.[illegible]
24.56	338	340	.[illegible]

KOREA ,TAE BAEK SAN , STATION 400-13 , 34-046. N, 128-300. E, DEC. 7.1979, 09.30 KST, DEPTH 95 , COLOR 4, TRANS. 19, ,

WAVE 3, SWELL 1, WIND SW 2, BARO 1020. , AIR TEMP. DRY 12.0, WET . , CLOUD. TYPE AC, AMT 7, WEATHER BC,

0	17.67	34.360					0	17.67	34.360
10	17.73	34.380					10	17.[illegible]	34.380
20	17.70	34.380					20	17.70	34.380
30	17.54	34.370					30	17.54	34.370
50	17.54	34.340					50	17.54	34.340
75	17.18	34.330						17.13	34.330
90	16.90	34.320							

24.88	308	307	.[illegible]
24.89	307	307	.0000
24.89	307	307	.0016
24.92	304	305	.0022
24.90	306	307	.[illegible]
24.98	299	301	.2206

OBSERVED									INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D DY

KOREA ,TAE BAEK SAN , STATION 400-14 , 34-135. N, 128-240. E, DEC. 7.1979, 08.20 KST, DEPTH 80 , COLOR 4, TRANS. 19. ,

WAVE 2, SWELL 1, WIND NW 3, BARO 1021. , AIR TEMP. DRY 11.5, WET . , CLOUD. TYPE AC, AMT 3, WEATHER BC,

0	16.95	34.140							0	16.95	34.140	24.89	307	307	.0000
10	17.00	34.310							10	17.00	34.310	25.00	296	296	.0302
20	16.99	34.310							20	16.99	34.310	25.01	296	296	.0599
30	17.00	34.320							30	17.00	34.320	25.01	295	296	.0895
50	16.68	34.370							50	16.68	34.370	25.13	285	286	.1478
75	16.87	34.590													

KOREA ,TAE BAEK SAN , STATION 400-15 , 34-222. N, 128-124. E, DEC. 7.1979, 07.10 KST, DEPTH 65 , COLOR , TRANS. . ,

WAVE 2, SWELL 1, WIND NW 4, BARO 1020. , AIR TEMP. DRY 10.1, WET . , CLOUD. TYPE AC, AMT 3, WEATHER BC,

0	15.86	34.140							0	15.86	34.140	25.14	33	283	.0000
10	16.02	34.150							10	16.02	34.150	25.11	286	286	.0285
20	16.05	34.160							20	16.05	34.160	25.11	286	286	.0572
30	16.07	34.150							30	16.07	34.150	25.10	287	288	.0859
50	16.09	34.150							50	16.09	34.150	25.09	288	289	.1437
60	16.45	34.440													

KOREA ,TAE BAEK SAN , STATION 400-16 , 34-310. N, 129-122. E, DEC. 7.1979, 04.20 KST, DEPTH 43 , COLOR , TRANS. . ,

WAVE 2, SWELL 2, WIND NW 3, BARO 1020. , AIR TEMP. DRY 11.5, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	16.69	34.350							0	16.69	34.350	25.11	286	286	.0000
10	16.68	34.330							10	16.68	34.330	25.09	287	287	.0287
20	16.80	34.190							20	16.80	34.190	25.14	283	283	.0574
	16.23	34.250							30	16.23	34.250	25.14	283	284	.0861
	16.54	34.440													

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	J-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 400-17 , 34-??0. N, 128-005. E, DEC. 7.1979, 05.50 KST, DEPTH 35 , COLOR , , TRANS. . .

WAVE 3, SWELL 2, WIND NW 4, BARO 1020. , AIR TEMP. DRY 10.6, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	13.52	33.530	0	13.52	33.530	25.17	280	280	.0000
10	13.53	33.520	10	13.53	33.520	25.16	281	281	.0281
20	13.59	33.560	20	13.59	33.560	25.18	279	280	.056.
30	13.53	33.520							

KOREA ,TAE BAEK SAN , STATION 400-22 , ??-443. N, 128-239. E, DEC. 7.1979, 15.00 KST, DEPTH 103 , COLOR , TRANS. 21. ,

WAVE 4, SWELL 1, WIND NW 5, BARO 1018. , AIR TEMP. DRY 13.2, WET . , CLOUD. TYPE CC, AMT 2, WEATHER B ,

0	19.84	34.550	0	19.84	34.550	24.48	346	346	.0000
10	19.90	34.560	10	19.90	34.560	24.47	347	347	.0347
20	19.82	34.560	20	19.82	34.560	24.49	345	345	.0693
30	19.72	34.550	30	19.72	34.550	24.51	343	344	.103
50	19.78	34.560	50	19.78	34.560	24.50	344	345	.1728
75	18.82	34.600	75	18.82	34.600	24.78	317	319	.2559
100	16.59	34.600							

KOREA ,TAE BAEK SAN , STATION 400-24 , ??-???. N, 127-519. E, DEC.16.1979, 00.40 KST, DEPTH 92 , COLOR , TRANS. . ,

WAVE 4, SWELL 2, WIND NW 5, BARO 1022. , AIR TEMP. DRY 10.0, WET . , CLOUD. TYPE , AMT , WEATHER

0	19.20	34.540	0	19.20	34.540	24.64	331	331	.0000
10	19.21	34.380	10	19.21	34.380	24.51	343	343	.0337
20	19.24	34.260	20	19.24	34.260	24.41	352	353	.0685
30	19.20	34.250	30	19.20	34.250	24.42	352	353	.1038
??	18.90	34.220	50	18.90	34.220	24.47	347	348	.1740
??	18.50	34.090	75	18.50	34.090	24.47	347	349	.2613
85	17.32	34.090							

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA ,TAE BAEK SAN , STATION 400-25 , 33-336. N, 127-340. E, DEC.15.1979, 23.00 KST, DEPTH 93 , COLOR , TRANS. , ,																	
WAVE 4, SWELL 2, WIND NW 5, BARO 1022. , AIR TEMP. DRY 10.0, WET . , CLOUD. TYPE , AMT , WEATHER ,																	
0	19.21	34.580								0	19.21	34.580		24.67	328	328	.0000
10	19.23	34.580								10	19.23	34.580		24.66	329	329	.0329
20	19.24	34.580								20	19.24	34.580		24.66	329	329	.0658
30	19.21	34.580								30	19.21	34.580		24.67	328	329	.0988
50	19.02	34.580								50	19.02	34.580		24.71	324	325	.1643
75	19.14	******								75	19.14	******		*****	***	***	******
85	19.20	34.580															
KOREA ,TAE BAEK SAN , STATION 400-26 , 33-317. N, 127-118. E, DEC. 8.1979, 08.20 KST, DEPTH 118 , COLOR 4, TRANS. 12. ,																	
WAVE 5, SWELL 2, WIND NW 5, BARO 1021. , AIR TEMP. DRY 11.8, WET . , CLOUD. TYPE , AMT , WEATHER B ,																	
0	19.75	34.510								0	19.75	34.510		24.47	347	346	.0000
10	20.07	34.520								10	20.07	34.520		24.40	354	354	.0351
20	20.05	34.510								20	20.05	34.510		24.39	354	354	.0705
30	20.00	34.510								30	20.00	34.510		24.41	353	354	.1060
50	20.09	34.510								50	20.09	34.510		24.38	355	356	.1771
75	20.06	34.520								75	20.06	34.520		24.40	354	356	.2662
100	19.11	34.470								100	19.11	34.470		24.61	334	337	.3529
110	17.20	34.510															
KOREA ,TAE BAEK SAN , STATION 400-27 , 33-303. N, 127-045. E, DEC. 8.1979, 06.30 KST, DEPTH 130 , COLOR , TRANS. , ,																	
WAVE 5, SWELL 2, WIND NW 5, BARO 1020. , AIR TEMP. DRY 12.0, WET . , CLOUD. TYPE , AMT , WEATHER B ,																	
0	18.69	34.480								0	18.69	34.480		24.72	323	323	.0000
10	18.80	34.470								10	18.80	34.470		24.69	326	326	.0325
20	18.80	34.470								20	18.80	34.470		24.69	326	327	.0652
30	18.66	34.450								30	18.66	34.450		24.71	324	325	.0978
50	18.65	34.400								50	18.65	34.400		24.67	328	329	.1633
75	17.31	34.460								75	17.31	34.460		25.05	292	294	.2414
100	15.62	34.490								100	15.62	34.490		25.46	253	255	.3102
125	15.09	34.500															

제 4 편

부 유 생 물 조 사 성 적

PART 4

PLANKTON DATA

1 9 7 9

부유생물의 채집 및 조사방법

부유생물의 채집은 본원 및 각 지원에서 한국 근해의 정선 해양관측과 기타 해양조사시 일반 해양관측과 동시에 채집하였으며, 그 조사방법은 다음과 같다.

1. 채집 및 방법

채집망은 Norpac Net를 사용하여 정량 조사하였으며 채집 수층은 수심이 깊은 동해측은 100 m, 수심이 얕은 서해측은 50 m, 남해측은 저층에서 표면까지 약 1 m / sec.의 속도로써 수직 채집하여 약 5%의 중성 Formalin으로 고정하였다.

2. 채집된 시료의 처리 방법

상기와 같이 채집된 시료에 대하여 대형인 강장류 갑각류 및 피낭류 등을 제거하고 용적 측정법에 의한 침전량과 중량측정법에 따른 습중량을 측정하여 그 양을 표시하였다.

Copepoda, Chaetognatha, Amphipoda, Euphausiacea 등을 계수 표시 하였다.

Plankton collection and procedures

Plankton samples were collected at the oceanographic stations of the sectional lines made in the adjacent water of Korea, the important fishing ground observation and special oceanographic observation. The methods applied for collecting and treating the samples and gears are as follows ;

1. Method of plankton collection

Plankton samples were collected by the vertical haul with the Norpac Net. General depth of haul is from 100m in the Eastern Sea, 50m in the Western Sea, and bottom in the Southern Sea to the Surface, and the speed of hauling is approximately one meter per second. The samples obtained from the net were immediately perserved in about five percent neutral formalin in the presserving bottles of plankton and taken to the laboratory for examinations.

2. Laboratory precedures

For quantitative examination of plankton, the settling volume and the wet weight measurements were in removing macroplanktons, such as Hybromedusae, Soyphomedusae and Doliolum. Copepoda, Chaetognatha , Amphipoda , Euphausiacea were counted.

동 해 부 유 생 물 조 사 성 적

PLANKTON DATA : EASTERN WATERS

1 9 7 9

106선 부유생물 조사표

Plankton Data, Line 106

Month	Feb.					Apr.				
Station	03	05	07	09	11	03	05	07	09	11
Date	9	9	9	9	9	21	21	21	21	21
Time	20:35	17:40	13:45	09:50	05:50	06:25	09:05	12:50	16:40	20:30
Col. depth (m)	100	100	100	100	100	100	100	100	100	100
Volume (cc)	5.8	1.0	1.2	8.0	4.5	1.8	0.5	4.3	1.3	1.3
Biomass (mg/m³)	82.39	7.55	17.61	143.40	55.97	61.6	8.2	48.4	20.8	18.9
Copepoda	579	215	420	475	875	60	35	416	328	115
Chaetognatha	88	0	22	52	66	8	0	0	0	2
Amphipoda	39	1	20	109	24	0	0	0	0	0
Euphausia	54	0	0	11	5	4	8	80	0	0

Month	Jun.					Aug.				
Station	03	05	07	09	11	03	05	07	09	11
Date	15	15	15	14	14	9	9	9	9	8
Time	06:30	03:45	00:00	20:15	16:30	11:55	09:00	05:05	01:10	21:25
Col. depth (m)	100	100	100	100	100	100	100	100	100	100
Volume (cc)	4.2	4.0	6.0	5.0	2.5	1.8	2.2	2.0	3.2	0.5
Biomass (mg/m³)	67.8	68.6	73.4	67.3	65.4	27.04	17.61	27.67	32.70	12.50
Copepoda	475	855	982	479	275	1026	520	198	0	53
Chaetognatha	12	127	91	279	54	25	28	44	5	95
Amphipoda	30	0	125	320	117	5	1	34	10	12
Euphausia	19	22	31	115	11	3	0	3	0	0

Month	Oct.					Dec.				
Station	03	05	07	09	11	03	05	07	09	11
Date	18	18	18	18	18	17	17	17	17	17
Time	05:10	08:00	11:55	15:50	19:45	05:25	08:15	12:10	16:05	20:00
Col. depth (m)	100	100	100	100	100	100	100	100	100	100
Volume (cc)	1.8	2.5	1.0	2.6	1.4	2.5	0.8	6.0	0.5	3.8
Biomass (mg/m³)	37.74	44.03	25.16	30.19	13.87	25.16	22.01	132.08	10.69	31.45
Copepoda	726	263	490	549	306	983	263	155	253	150
Chaetognatha	65	72	79	137	95	82	40	93	150	48
Amphipoda	39	4	3	26	3	4	5	4	14	6
Euphausia	6	3	4	2	0	4	5	4	14	6

105 선 부유생물 조사표

Plankton Data, Line 105

Month	Feb.					Apr.				
Station	03	05	07	09	11	03	05	07	09	11
Date	10	10	10	10	10	19	19	19	19	19
Time	00:50	01:40	05:25	09:20	13:15	16:45	15:05	11:20	07:35	03:50
Col. depth (m)	48	100	100	100	100	48	100	100	100	100
Volume (cc)	2.0	0.8	0.5	5.0	4.8	0.7	1.2	2.0	2.3	5.0
Biomass (mg/m^3)	28.83	7.55	23.90	76.10	72.33	34.1	23.9	32.1	38.4	119.5
Copepoda	179	300	210	715	759	112	302	608	1072	3616
Chaetognatha	45	33	25	340	168	0	0	120	0	0
Amphipoda	1	4	6	5	55	0	0	0	24	0
Euphausia	0	2	3	37	65	0	0	0	160	0

Month	Jun.					Aug.				
Station	03	05	07	09	11	03	05	07	09	11
Date	15	15	15	15	15	9	9	9	10	10
Time	10:00	11:40	15:30	19:15	23.05	15:45	17:35	21:40	01:40	05.40
Col. depth (m)	48	100	100	100	100	48	100	100	100	100
Volume (cc)	3.0	3.0	2.8	1.3	2.2	0.6	0.3	5.0	4.2	3.0
Biomass (mg/m^3)	141.3	64.2	64.2	64.8	19.8	17.04	11.94	98.74	54.72	30.82
Copepoda	399	1025	1525	1379	342	912	115	379	30	215
Chaetognatha	15	27	320	264	52	38	1	69	58	153
Amphipoda	62	7	88	130	67	0	1	49	2	72
Euphausia	12	13	3	3	7	1	0	9	4	4

Month	Oct.					Dec.				
Station	03	05	07	09	11	03	05	07	09	11
Date	17	17	17	17	16	17	16	16	14	14
Time	12:20	10:30	06:35	02:40	22:45	01:50	23:50	19:55	22:55	15:30
Col. depth (m)	48	100	100	100	100	48	100	100	100	100
Volume (cc)	1.0	5.0	2.2	3.0	5.2	2.5	3.2	10.0	10.0	1.5
Biomass (mg/m^3)	39.32	42.14	20.13	56.60	69.18	78.64	13.84	176.10	213.84	31.45
Copepoda	193	382	31	702	637	1560	528	154	174	91
Chaetognatha	32	34	0	62	142	264	115	72	62	62
Amphipoda	0	1	0	9	46	4	2	11	15	7
Euphausia	1	7	0	4	6	0	1	2	16	1

104선 부유생물 조사표
Plankton Data, Line 104

Month	Feb.				Apr.			
Station	05	07	09	11	05	07	09	11
Date	12	12	12	12	18	18	18	19
Time	18:30	15:40	11:50	07:50	14:05	10:55	20:40	00:25
Col. depth (m)	100	100	100	100	100	100	100	100
Volume (cc)	2.0	1.0	3.0	2.8	1.2	2.0	4.0	5.5
Biomass (mg/m³)	23.64	14.47	34.59	12.58	11.3	14.7	283.6	59.1
Copepoda	300	682	325	57	1152	1208	888	680
Chaetognatha	37	75	277	22	0	0	0	3
Amphipoda	6	0	2	3	0	0	20	16
Euphausia	31	0	1	5	0	0	0	3

Month	Jun.				Aug.			
Station	05	07	09	11	05	07	09	11
Date	18	18	17	17	10	10	10	10
Time	03:30	00:30	20:30	19:40	20:00	16:35	13:00	09:05
Col. depth (m)	100	100	100	100	100	100	100	100
Volume (cc)	5.0	4.0	0.1	0.8	7.8	4.9	2.0	3.0
Biomass (mg/m³)	69.8	74.8	74.2	70.4	62.89	14.12	23.27	41.51
Copepoda	37	52	691	1120	536	450	169	698
Chaetognatha	25	42	5	45	452	31	71	126
Amphipoda	77	85	6	219	0	3	12	62
Euphausia	97	0	2	2	27	1	0	0

Month	Oct.				Dec.			
Station	05	07	09	11	05	07	09	11
Date	16	16	16	16	13	13	13	14
Time	08:35	11:25	15:20	19:15	14:25	17:20	21:15	01:10
Col. depth (m)	100	100	100	100	100	100	100	100
Volume (cc)	3.2	2.5	5.0	5.0	3.5	2.5	4.0	3.8
Biomass (mg/m³)	38.99	40.88	52.83	106.92	26.42	31.45	50.31	84.91
Copepoda	387	576	534	273	470	1890	324	309
Chaetognatha	160	85	129	153	31	82	160	305
Amphipoda	9	30	10	4	19	7	14	5
Euphausia	13	5	0	13	0	5	10	1

103선 부유생물 조사표

Plankton Data, Line 103

Month	Feb.				Apr.			
Station	05	07	09	11	05	07	09	11
Date	12	13	13	13	18	18	18	17
Time	23:45	02:20	06:15	10:10	09:10	06:30	02:50	23:05
Col. depth (m)	100	100	100	100	100	100	100	100
Volume (cc)	1.5	0.8	2.0	3.0	2.0	2.4	5.3	4.0
Biomass (mg/m^3)	18.87	15.72	45.91	42.14	59.7	40.3	69.8	62.3
Copepoda	97	82	638	120	1600	1688	1840	2208
Chaetognatha	0	8	32	187	0	0	56	32
Amphipoda	0	3	57	23	0	24	48	0
Euphausia	9	7	0	0	0	0	0	40

Month	Jun.				Aug.			
Station	05	07	09	11	05	07	09	11
Date	18	18	19	19	11	11	11	11
Time	09:20	12:20	13:50	17:45	01:30	04:30	08:30	12:25
Col. depth (m)	100	100	100	100	100	100	100	100
Volume (cc)	3.8	5.1	1.0	1.8	0.2	1.8	3.0	0.8
Biomass (mg/m^3)	71.7	59.7	67.8	67.8	13.84	18.87	22.01	17.61
Copepoda	1920	2375	319	85	220	495	382	69
Chaetognatha	63	110	52	270	17	85	67	19
Amphipoda	82	52	85	194	3	1	11	0
Euphausia	19	29	0	5	3	4	7	6

Month	Oct.				Dec.			
Station	05	07	09	11	05	07	09	11
Date	15	15	15	14	13	13	12	12
Time	09:25	06:35	02:40	22:45	06:15	03:20	23:25	19:30
Col. depth (m)	100	100	100	100	100	100	100	100
Volume (cc)	2.2	2.0	2.5	2.0	5.0	4.2	3.0	2.0
Biomass (mg/m^3)	37.74	31.45	44.03	30.19	147.80	62.89	69.18	182.39
Copepoda	312	219	492	292	279	523	153	132
Chaetognatha	97	105	60	140	54	70	64	53
Amphipoda	2	8	11	15	5	14	17	6
Euphausia	9	5	7	4	1	9	9	1

102선 부유생물 조사표

Plankton Data, Line 102

Month	Feb.				Apr.			
Station	05	07	09	11	05	07	09	11
Date	13	13	13	13	17	17	17	17
Time	23:20	20:55	17:00	13:10	10:25	12:35	16:20	20:05
Col. depth (m)	100	100	100	100	100	100	100	100
Volume (cc)	200.0	1.5	1.0	0.5	1.2	2.7	1.5	4.5
Biomass (mg/m³)	309.43	13.2	16.98	11.32	19.5	53.5	11.9	48.4
Copepoda	0	125	234	89	720	3168	482	1176
Chaetognatha	0	15	17	16	16	0	14	64
Amphipoda	0	0	3	0	0	0	0	0
Euphausia	1504	2	0	0	16	80	0	24

Month	Jun.				Aug.			
Station	05	07	09	11	05	07	09	11
Date	20	20	20	19	12	11	11	11
Time	06:35	04:20	00:35	20:50	02:00	23:20	19:25	15:30
Col. depth (m)	100	100	100	100	100	100	100	100
Volume (cc)	1.7	1.8	4.9	4.0	4.2	8.5	6.5	2.2
Biomass (mg/m³)	66.0	67.9	81.8	67.3	25.79	101.26	94.34	28.93
Copepoda	639	479	525	1279	592	962	1923	385
Chaetognatha	191	125	127	109	62	82	98	43
Amphipoda	15	9	31	42	1	125	28	9
Euphausia	42	31	12	7	14	43	7	5

Month	Oct.				Dec.			
Station	05	07	09	11	05	07	09	11
Date	14	14	14	14	12	12	12	12
Time	09:35	11:55	15:50	19:45	06:20	08:40	12:35	16:30
Col. depth (m)	100	100	100	100	100	100	100	100
Volume (cc)	6.7	3.1	1.8	3.7	0.9	2.5	1.0	1.5
Biomass (mg/m³)	77.36	100.63	23.90	47.17	12.58	40.88	18.87	37.74
Copepoda	768	624	385	693	153	968	563	251
Chaetognatha	116	83	79	200	34	112	92	67
Amphipoda	1	3	0	33	1	4	0	0
Euphausia	20	15	5	6	2	0	0	1

209선 부유생물 조사표

Plankton Data, Line 209

Month	Feb.				Apr.			
Station	05	07	09	11	05	07	09	11
Date	19	19	19	19	16	16	16	16
Time	14:05	16:35	20:10	23:45	13:30	10:55	07:20	03:50
Col. depth (m)	100	100	100	100	100	100	100	100
Volume (cc)	3.5	3.0	3.8	8.0	0.5	0.5	1.5	3.0
Biomass (mg/m^3)	37.74	54.09	59.12	93.08	4.4	5.0	13.2	29.6
Copepoda	673	572	129	975	50	39	116	328
Chaetognatha	6	42	272	55	0	0	0	0
Amphipoda	0	7	7	2	0	0	0	4
Euphausia	21	9	15	27	0	0	0	48

Month	Jun.				Aug.			
Station	05	07	09	11	05	07	09	11
Date	15	15	15	15	14	14	14	15
Time	15:50	09:10	16:10	02:50	17:00	19:45	23:30	03:15
Col.depth (m)	100	100	100	100	100	100	100	100
Volume (cc)	4.2	9.0	7.5	6.0	1.5	1.2	1.8	3.0
Biomass (mg/m^3)	52.83	123.27	106.91	95.59	17.61	18.87	19.50	42.77
Copepoda	2750	12100	8800	4000	696	279	219	576
Chaetognatha	20	60	40	40	19	48	33	45
Amphipoda	5	10	30	120	3	5	8	34
Euphausia	60	100	30	40	9	5	8	2

Month	Oct.				Dec.			
Station	05	07	09	11	05	07	09	11
Date	12	11	11	11	9	9	9	9
Time	01:45	23:00	19:15	15:30	16:45	14:00	10:20	06:45
Col. depth (m)	100	100	100	100	100	100	100	100
Volume (cc)	1.8	0.8	1.2	5.8	1.5	1.0	3.0	4.0
Biomass (mg/m^3)	25.16	18.87	20.13	40.25	16.98	12.58	40.88	42.14
Copepoda	118	42	379	1625	209	92	260	1820
Chaetognatha	23	7	147	325	52	198	70	193
Amphipoda	0	0	7	14	0	0	4	18
Euphausia	0	0	2	4	0	0	3	9

208선 부유생물 조사표
Plankton Data, Line 208

Month	Feb.					Apr.				
Station	01	03	05	07	09	01	03	05	07	09
Date	20	20	20	20	20	15	15	15	15	15
Time	14:10	11:50	09:05	06:35	04:00	13:35	15:40	18:20	20:55	23:30
Col. depth (m)	70	100	100	100	100	70	100	100	100	100
Volume (cc)	0.8	0.8	4.8	3.0	3.0	1.5	0.7	1.5	2.0	0.6
Biomass (mg/m^3)	18.24	75.47	70.44	35.22	31.45	35.0	13.8	35.2	37.6	12.6
Copepoda	573	236	592	773	57	50	368	4016	2640	532
Chaetognatha	12	12	429	150	0	1	0	96	128	36
Amphipoda	0	0	3	2	0	5	8	288	0	0
Euphausia	0	0	8	6	2	0	8	0	32	16

Month	Jun.					Aug.				
Station	01	03	05	07	09	01	03	05	07	09
Date	14	14	14	14	14	15	15	15	15	15
Time	13:30	15:40	18:00	20:15	22:40	18:25	15:55	13:10	10:25	07:40
Col. depth (m)	65	100	100	100	100	70	100	100	100	100
Volume (cc)	0	2.0	9.5	9.0	5.0	1.2	2.8	4.7	2.5	3.8
Biomass (mg/m^3)	0	38.99	150.94	137.10	57.23	38.63	25.79	43.40	30.19	46.54
Copepoda	0	2400	4800	5000	2500	509	512	792	479	612
Chaetognatha	0	5	60	50	25	51	27	21	31	46
Amphipoda	0	5	10	160	30	0	3	13	3	6
Euphausia	0	10	50	20	15	3	6	22	18	16

Month	Oct.					Dec.				
Station	01	03	05	07	09	01	03	05	07	09
Date	11	11	11	11	11	8	8	8	8	9
Time	00:30	02:55	05:40	08:25	11:10	16:30	18:50	21:25	23:55	02:30
Col. depth (m)	70	100	100	100	100	70	100	100	100	100
Volume (cc)	2.2	5.0	4.5	9.0	2.0	1.5	5.8	4.0	3.0	7.0
Biomass (mg/m^3)	46.72	55.35	62.89	88.05	30.19	17.97	75.47	37.74	47.17	62.89
Copepoda	315	1832	314	2604	193	53	2902	282	560	2294
Chaetognatha	177	102	53	119	49	12	570	52	87	305
Amphipoda	7	7	7	13	2	0	21	2	3	11
Euphausia	13	6	5	16	0	0	15	7	15	5

남해부유생물조사성적

PLANKTON DATA : SOUTHERN WATERS

1979

207선 부유생물 조사표
Plankton Data, Line 207

Month	Feb.			Apr.		
Station	01	03	05	01	03	05
Date	7	7	7	9		10
Time	13:50	15:50	17:20	10:30		11:10
Col. depth (m)	80	115	160	84		160
Volume (cc)	1.8	3.0	6.5	5.2		6.0
Biomass (mg/m^3)	34.59	32.82	21.63	121.34		62.91
Copepoda	3200	5700	11000	800		4800
Chaetognatha	0	0	50	5		2
Amphipoda	0	0	0	50		5
Euphausia	0	0	15	15		2

Month	Jun.			Aug.		
Station	01	03	05	01	03	05
Date	12	12	12		6	
Time	22:40	21:20	20:00		21:00	
Col. depth (m)	84	100	160		115	
Volume (cc)	1.0	0.1	0.6		3.4	
Biomass (mg/m^3)	23.22	1.25	7.86		60.17	
Copepoda	600	250	220		480	
Chaetognatha	7	0	0		20	
Amphipoda	0	0	0		0	
Euphausia	10	0	0		25	

Month	Oct.			Dec.		
Station	01	03	05	01	03	05
Date	10	10	10	6	6	6
Time	10:20	19:40	22:00	14:40	16:00	17:40
Col. depth (m)	80	100	150	80	100	150
Volume (cc)	2.0	4.0	7.0	3.7	0.3	5.7
Biomass (mg/m^3)	20.44	45.28	137.16	54.24	0.63	46.56
Copepoda	440	180	650	1050	35	65
Chaetognatha	18	13	80	70	2	80
Amphipoda	7	8	20	2	0	9
Euphausia	6	8	40	1	0	57

206선 부유생물 조사표
Plankton Data, Line 206

Month	Feb.			Apr.		
Station	01	03	05	01	03	05
Date	8	8	7	10	10	10
Time	03:15	00:50	22:30	20:05	18:25	16:00
Col. depth (m)	62	94	130	62	94	130
Volume (cc)	3.0	2.4	3.4	5.0	10.5	0.5
Biomass (mg/m³)	66.94	54.52	46.93	148.07	196.[illegible]	[illegible].74
Copepoda	400	5550	8000	800	7060	800
Chaetognatha	5	10	20	0	10	0
Amphipoda	5	0	0	0	0	0
Euphausia	15	0	10	10	60	0

Month	Jun.			Aug.		
Station	01	03	05	01	03	05
Date	12	12	13		7	
Time	11:20	13:30	16:00		08:40	
Col. depth (m)	30	90	120		90	
Volume (cc)	2.0	4.8	4.2		4.0	
Biomass (mg/m³)	109.01	76.80	52.00		73.37	
Copepoda	2000	5000	2800		600	
Chaetognatha	0	25	5		27	
Amphipoda	30	0	0		0	
Euphausia	0	15	100		25	

Month	Oct.			Dec.		
Station	01	03	05	01	03	05
Date	11	11	11	7	6	6
Time	09:20	06:50	03:20	02:10	00:00	21:40
Col. depth (m)	60	75	105	62	90	130
Volume (cc)	3.0	0.5	6.0	6.3	10.4	1.8
Biomass (mg/m³)	81.76	26.00	88.07	117.6	165.6	11.4
Copepoda	190	60	450	490	1280	330
Chaetognatha	32	5	15	24	170	16
Amphipoda	1	0	1	23	52	2
Euphausia	15	8	40	42	82	8

205선 부유생물 조사표

Plankton Data. Line 205

Month	Feb.			Apr.		
Station	01	03	05	01	03	05
Date	9	8	8	11	11	11
Time	00:25	21:50	18:10	16:00	14:50	11:50
Col. depth (m)	54	82	124	60	86	125
Volume (cc)	1.0	1.2	0	1.6	0.5	10.2
Biomass (mg/m^3)	25.64	25.33	0	47.16	8.04	166.07
Copepoda	1500	1200	0	2500	600	10000
Chaetognatha	0	0	0	10		20
Amphipoda	0	0	0	0	0	0
Euphausia	0	0	0	10	0	20

Month	Jun.			Aug.		
Station	01	03	05	01	03	05
Date	11	11	11		8	8
Time	15:30	17:50	21:10		20:40	19:30
Col. depth (m)	50	80	116		80	95
Volume (cc)	4.0	1.6	0		5.8	0.3
Biomass (mg/m^3)	85.53	29.87	0		138.36	9.93
Copepoda	1500	1100	0		1920	300
Chaetognatha	20	5	0		17	15
Amphipoda	5	0	0		9	2
Euphausia	100	10	0		12	2

Month	Oct.			Dec.		
Station	01	03	05	01	03	05
Date		12	12	7	7	7
Time		05:40	02:00	22:20	20:20	16:40
Col. depth (m)		86	115	60	80	10
Volume (cc)		31.0	18.5	2.6	0.5	3.2
Biomass (mg/m^3)		500.36	132.38	48.2	0.78	41.73
Copepoda		700	480	260	45	640
Chaetognatha		80	35	12	0	16
Amphipoda		40	30	4	1	10
Euphausia		160	30	65	0	5

204선 부유생물 조사표
Plankton Data. Line 204

Month	Feb.			Apr.		
Station	01	03	05	01	03	05
Date		9	9		11	12
Time		03:30	07:30		20:00	08:30
Col. depth (m)		78	128		45	90
Volume (cc)		1.1	0.3		2.4	5.0
Biomass (mg/m³)		29.84	2.95		75.52	78.26
Copepoda		80	350		2400	1850
Chaetognatha		0	0		10	25
Amphipoda		0	0		0	0
Euphausia		10	0		0	50

Month	Jun.			Aug.		
Station	01	03	05	01	03	05
Date	5	7	7	9		9
Time	14:10	08:05	10:40	01:40		08:30
Col. depth (m)	26	75	128	28		90
Volume (cc)	2.2	1.0	2.4	8.0		0.6
Biomass (mg/m³)	169.49	24.32	34.39	125.82		16.77
Copepoda	600	800	2200	560		80
Chaetognatha	90	0	10	25		1
Amphipoda	0	0	0	3		0
Euphausia	0	0	40	180		0

Month	Oct.			Dec.		
Station	01	03	05	01	03	05
Date	12	14	14		8	8
Time	14:00	10:00	14:00		03:00	05:40
Col. depth(m)	35	34	125		70	128
Volume (cc)	0.3	5.0	12.5		5.1	0.5
Biomass (mg/m³)	19.78	248.14	191.24		79.06	4.91
Copepoda	18	830	1280		340	60
Chaetognatha	0	18	150		12	7
Amphipoda	4	3	25		11	8
Euphausia	1	4	8		80	15

203선 부유생물 조사표
Plankton Data. Line 203

Month	Feb.		Apr.	
Station	01	03	01	03
Date	16		14	14
Time	11:00		10:00	12:20
Col. depth (m)	57		57	135
Volume (cc)	0.6		1.5	0.8
Biomass (mg/m³)	22.08		39.73	13.97
Copepoda	920		2000	450
Chaetognatha	10		5	5
Amphipoda	0		0	0
Euphausia	0		15	0

Month	Jun.		Aug.	
Station	01	03	01	03
Date	9	9		11
Time	08:20	06:00		04:20
Col. depth (m)	50	100		100
Volume (cc)	2.0	1.0		4.2
Biomass (mg/m³)	76.12	17.61		53.45
Copepoda	300	230		160
Chaetognatha	0	0		3
Amphipoda	0	0		1
Euphausia	40	10		7

Month	Oct.		Dec.	
Station	01	03	01	03
Date	20	20	11	11
Time	13:20	16:20	14:10	10:30
Col. depth (m)	57	135	50	135
Volume (cc)	7.5	9.0	1.8	5.8
Biomass (mg/m³)	247.24	129.07	49.05	51.25
Copepoda	820	960	120	440
Chaetognatha	70	80	0	45
Amphipoda	5	24	4	8
Euphausia	36	85	4	10

313선 부유생물 조사표

Plankton Data. Line 313

Month	Feb.				Apr.			
Station	03	05	07	09	03	[illegible]	[illegible]7	[illegible]09
Date	19		19	19	[illegible]	17	17	[illegible]
Time	12:20		16:50	20:30	[illegible]	[illegible]	[illegible]	[illegible]
Col. depth (m)	92		72	68	92	80	72	[illegible]
Volume (cc)	0.3		0.8	2.0	0.4	0	2.0	[illegible]
Biomass (mg/m³)	6.84		6.99	62.90	13.67	12.72	34.06	[illegible]2.98
Copepoda	900		950	2100	[illegible]50	[illegible]00	3000	3800
Chaetognatha	0		0	30	1	0	10	[illegible]0
Amphipoda	0		0	0	0	0	[illegible]	0
Euphausia	0		0	10	1	0	10	20

Month	Jun.				Aug.			
Station	03	05	07	09	03	05	07	09
Date	9	8	8	7	11	10	10	
Time	01:00	23:00	21:30	19:10	00:50	22:00	20:10	
Col. depth (m)	80	80	75	70	90	85	75	
Volume (cc)	1.0	6.0	10.0	6.5	0.7	1.0	1.8	
Biomass (mg/m³)	14.15	136.79	258.38	139.26	13.97	14.80	41.94	
Copepoda	190	800	1120	3400	220	111	360	
Chaetognatha	0	5	30	30	1	0	1	
Amphipoda	5	15	20	20	0	1	1	
Euphausia	5	180	280	60	2	4	2	

Month	Oct.				Dec.			
Station	03	05	07	09	03	05	07	09
Date	22	22	22		11	15	15	14
Time	16:02	19:20	21:50		20:20	04:20	02:00	23:40
Col. depth (m)	86	85	80		92	80	70	65
Volume (cc)	4.5	3.0	6.5		1.3	0.3	1.3	1.1
Biomass (mg/m³)	75.34	62.17	93.55		20.51	0.78	15.27	10.26
Copepoda	640	220	320		180	35	150	110
Chaetognatha	70	5	20		18	0	4	2
Amphipoda	5	1	10		0	1	0	0
Euphausia	36	36	30		10	0	10	1

314 선 부유생물 조사표

Plankton Data. Line 314

Month	Feb.					Apr.				
Station	01	03	05	07	09	01	03	05	07	09
Date			10	20	20	12	18	18		18
Time			02:10	05:00	01:50	20:40	10:10	06:50		00:10
Col. depth (*m*)			100	90	80	130	110	100		80
Volume (cc)			3.0	1.2	1.6	14.0	0.1	1.8		1.8
Biomass (mg/m^3)			23.27	11.18	26.73	208.99	12.00	33.30		40.09
Copepoda			1500	3100	1500	11000	350	1800		3200
Chaetognatha			15	2	25	50	1	15		5
Amphipoda			0	0	0	0	0	0		0
Euphausia			6	5		20	5	5		5

Month	Jun.					Aug.				
Station	01	03	05	07	09	01	03	05	07	09
Date	7	8	8	8	8	9	10	10	10	10
Time	22:10	01:50	05:30	09:00	12:50	21:00	00:50	04:00	08:00	11:40
Col. depth (*m*)	100	110	100	90	80	140	100	100	95	80
Volume (cc)	8.0	0.6	6.0	0.8	1.2	4.5	0.4	1.0	1.0	6.8
Biomass (mg/m^3)	125.78	10.86	76.72	7.68	12.57	49.43	12.57	25.15	27.15	102.20
Copepoda	2700	110	1500	300	320	1060	92	125	80	960
Chaetognatha	60	2	10	0	0	45	3	12	3	40
Amphipoda	20	3	30	0	0	4	4	4	1	3
Euphausia	40	7	30	5	0	10	8	12	5	3

Month	Oct.					Dec.				
Station	01	03	05	07	09	01	03	05	07	09
Date	24	23	23	23	23	15	15	15	14	14
Time	01:40	22:10	18:20	12:50	09:10	17:10	13:50	10:30	14:00	17:10
Col. depth (*m*)	140	110	100	90	80	135	100	95	85	75
Volume(cc)	1.0	6.5	5.5	1.5	[illegible]	0.4	0.[illegible]	0.4	3.9	[illegible]
Biomass (mg/m^3)	5.39	115.49	84.90	29.35	102.36	2.79	7.54	5.29	71.05	50.33
Copepoda	35	550	480	120	720	120	190	65	750	320
Chaetognatha	4	60	35	[illegible]	27	8	0	4	85	35
Amphipoda	2	25	13	2	13	0	0	2	11	6
Euphausia	2	30	18	1	8	1	0	6	60	24

서 해 부 유 생 물 조 사 성 적

PLANKTON DATA : WESTERN WATERS

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307선 부유생물 조사표

Plankton Data, Line 307

Month	Feb.				Apr.			
Station	03	05	07	09	03	05	07	09
Date	12	12	12	12	6	6	6	7
Time	10:40	15:00	18:30	12:00	15:00	19:00	22:30	02:05
Col. depth (m)	35	50	55	55	30	40	50	60
Volume (cc)	0.8	0.8	1.2	2.6	0.4	1.1	3.0	3.5
Biomass (mg/m³)	21.4	33.5	45.5	81.3	36.1	29.3	743	63.4
Copepoda	45	230	668	620	244	432	1240	616
Chaetognatha	17	15	35	66	14	11	13	4
Amphipoda	0	0	0	4	0	1	0	18
Euphausia	4	2	55	438	1	2	83	43

Month	Jun.				Aug.			
Station	03	05	07	09	03	05	07	09
Date	10	10	10	10	7	7	7	8
Time	13:50	18:10	21:40	01:10	13:30	17:50	21:20	00:55
Col. depth (m)	30	30	55	55	35	45	55	60
Velume (cc)	1.0	3.0	2.0	1.0	5.3	2.2	1.8	1.5
Biomass (mg/m³)	26.83	95.18	29.41	39.31	178.3	39.25	24.53	26.64
Copepoda	420	580	340	360	0	10	15	75
Chaetognatha	3	9	6	0	260	276	236	305
Amphipoda	0	0	2	0	10	0	0	0
Euphausia	0	28	60	157	0	9	0	0

Month	Oct.				Dec.			
Station	03	05	07	09	03	05	07	09
Date	11	11	11	11	7	7	7	7
Time	08:00	12:20	15:40	19:10	12:10	16:30	20:00	23:35
Col. depth (m)	30	40	50	50	30	40	50	45
Volume (cc)	0.5	1.0	2.5	0.5	0.7	1.0	1.2	0.5
Biomass (mg/m³)	13.73	34.06	53.28	10.97	9.01	18.24	16.20	6.26
Copepoda	20	5	1	23	24	455	680	600
Chaetognatha	59	248	534	56	17	31	32	39
Amphipoda	0	8	0	0	0	0	0	0
Euphausia	7	8	10	11	0	3	18	1

308선 부유생물 조사표
Plankton Data. Line 308

Month	Feb.					Apr.				
Station	01	03	05	07	09	01	03	05	07	09
Date	13	12	12	12	12	10	10	7	7	7
Time	20:40	17:20	13:55	10:25	06:50	10:30	07:15	17:55	14:25	10:50
Col. depth (m)	20	45	47	60	60	20	45	50	60	75
Volume (cc)	0.8	2.3	2.0	2.5	2.1	3.5	4.8	6.0	10.5	9.5
Biomass (㎎/㎥)	43.3	69.0	71.4	45.7	44.5	181.5	113.8	97.7	258.6	143.8
Copepoda	284	534	420	1040	790	416	784	1024	4192	3016
Chaetognatha	13	19	21	24	64	17	3	6	30	16
Amphipoda	0	3	0	2	1	1	4	0	12	14
Euphausia	6	56	148	120	190	8	46	187	275	125

Month	Jun.					Aug.				
Station	01	03	05	07	09	01	03	05	07	09
Date	11	11	11	11	11	8	8	8	8	8
Time	23:50	20:30	17:10	13:45	10:10	23:45	20:25	17:00	13.25	09:45
Col. depth (m)	20	40	50	60	70	20	45	50	60	65
Volume (cc)	1.0	2.0	2.5	3.7	4.0	9.0	7.5	3.0	3.5	3.0
Biomass (㎎/㎥)	81.70	36.48	42.98	85.46	75:44	186.4	50.25	35.39	33.21	28.30
Copepoda	128	680	1180	1450	890	6	216	31	95	127
Chaetognatha	28	23	6	34	20	85	344	456	338	336
Amphipoda	0	0	0	0	0	0	0	0	0	0
Euphausia	29	24	45	85	120	102	30	2	7	8

Month	Oct.					Dec.				
Station	01	03	05	07	09	01	03	05	07	09
Date	13	13	13	13	13	8	8	8	8	8
Time	08:30	11:50	15:10	18:30	22:00	22:25	19:05	15:40	12:05	08:30
Col. depth (m)	15	40	45	60	70	15	45	50	60	65
Volume (cc)	2.0	3.0	0.6	6.0	1.0	0.25	1.1	0.8	3.2	0.3
Biomass (㎎/㎥)	116.97	110.49	15.36	15.61	9.97	8.79	18.52	14.93	30.99	5.57
Copepoda	45	233	49	206	14	97	327	563	95	4
Chaetognatha	27	48	26	351	41	121	76	98	305	6
Amphipoda	0	0	0	0	0	0	0	0	0	0
Euphausia	4	11	9	18	6	5	18	11	76	1

309선 부유생물 조사표

Plankton Data. Line 309

Month	Feb.					Apr.				
Station	01	03	05	07	09	01	03	05	07	09
Date	19	21	21	21	21	10	12	12	12	12
Time	08:10	06:15	09:25	12:55	16:35	14:50	06:30	10:00	13:40	17:20
Col. depth (*m*)	29	45	50	70	65	25	50	60	60	75
Volume (cc)	1.0	2.5	1.8	2.5	2.1	2.9	3.0	4.2	3.5	2.2
Biomass (mg/m^3)	32.4	72.2	45.1	19.6	28.0	16.0	105.6	66.4	71.8	25.9
Copepoda	130	492	315	768	785	1120	1080	1176	1840	826
Chaetognatha	2	29	22	11	30	9	2	4	1	0
Amphipoda	0	0	0	0	4	1	0	7	0	0
Euphausia	26	19	29	21	55	6	45	115	24	0

Month	Jun.					Aug.				
Station	01	03	07	07	09	01	03	05	07	09
Date	12	12	12	12	12	9	9	9	9	9
Time	04:00	07:20	10:50	14:30	18:40	03:55	07:15	10:45	14:25	18:05
Col. depth (*m*)	25	50	60	60	70	25	50	60	65	75
Volume (cc)	0.4	2.8	2.8	4.8	6.0	4.7	6.5	8.5	5.2	3.5
Biomass (mg/m^3)	38.86	87.74	52.32	81.35	81.41	164.63	56.83	91.95	49.18	33.95
Copepoda	32	960	1380	1520	1464	18	43	272	34	27
Chaetognatha	25	67	18	23	34	131	274	230	153	184
Amphipoda	0	4	3	4	6	63	0	0	0	0
Euphausia	28	73	42	52	96	46	70	24	4	3

Month	Oct.					Dec.				
Station	01	03	05	05	09	01	03	05	07	09
Date	14	14	14	14	14	12	14	14	14	14
Time	19:10	15:50	12:30	09:00	05:30	09:10	06:20	09:50	13:25	17:05
Col. depth (*m*)	20	40	50	55	60	25	45	60	60	75
Volume (cc)	4.5	9.5	2.5	10.0	6.0	0.55	1.0	0.4	0.15	0.3
Biomass (mg/m^3)	153.55	234.65	46.64	140.40	93.53	12.56	25.64	8.05	4.61	7.07
Copepoda	151	1008	288	756	266	283	311	285	55	447
Chaetognatha	56	350	40	60	130	25	102	32	78	53
Amphipoda	0	0	0	0	0	0	2	0	0	0
Euphausia	12	36	13	24	17	3	10	3	2	25

310선 부유생물 조사표

Plankton Data. Line 310

Month	Feb.				Apr.			
Station	03	05	07	09	03	05	07	09
Date	21	21	21	25	15	14	13	13
Time	13:25	07:10	03:55	00:30	01:35	22:00	05:30	01:50
Col. depth (m)	25	60	70	75	25	65	75	80
Volume (cc)	1.1	0.6	2.5	2.0	1.5	1.8	4.5	4.2
Biomass (mg/m^3)	64.4	13.9	39.5	27.1	75.8	32.8	51.2	39.5
Copepoda	690	23	480	920	656	1406	1556	1760
Chaetognatha	20	2	49	55	13	8	11	7
Amphipoda	0	1	2	0	10	0	0	0
Euphausia	40	6	45	82	6	10	2	0

Month	Jun.				Aug.			
Station	03	05	07	09	03	05	07	09
Date	13	13	13	13	10	10	10	10
Time	13:40	10:05	06:25	02:50	13:30	09:55	06:15	02:35
Col. depth (m)	20	60	75	80	25	70	65	85
Volume (cc)	3.0	13.0	4.0	7.0	0.8	5.0	10.3	1.0
Biomass (mg/m^3)	210.0	325.1	51.88	61.98	53:75	50.23	105.0	19.77
Copepoda	752	5760	680	720	153	480	520	29
Chaetognatha	11	213	76	188	58	300	288	71
Amphipoda	0	6	6	6	2	0	8	6
Euphausia	25	208	87	138	0	53	17	9

Month	Oct.				Dec.			
Station	03	05	07	09	03	05	07	09
Date	16	16	17	17	15	15	15	15
Time	17:20	20:40	00:00	03:30	12:30	08:55	05:15	01:35
Col. depth (m)	25	60	60	70	25	65	65	85
Volume (cc)	2.8	3.5	11.5	8.0	0.23	0.1	0.13	0.4
Biomass (mg/m^3)	107.61	61.25	392.29	132.35	23.24	2.45	5.52	2.61
Copepoda	141	240	399	636	378	126	156	646
Chaetognatha	42	39	74	60	28	15	11	95
Amphipoda	0	0	0	0	0	0	0	0
Euphausia	10	16	213	45	12	7	6	4

311선 부유생물 조사표

Plankton Data. Line 311

Month	Feb.			Apr.		
Station	04	07	09	04	07	09
Date	25	25	25	15	15	15
Time	18:45	00:50	04:30	06:50	12:55	16:35
Col. depth (m)	70	75	85	70	80	80
Volume (cc)	1.1	2.5	1.2	1.6	1.8	1.0
Biomass (mg/m³)	23.2	34.5	24.1	28.7	19.6	20.4
Copepoda	232	320	272	600	464	420
Chaetognatha	5	59	55	9	9	2
Amphipoda	3	1	0	0	0	0
Euphausia	18	40	9	29	6	6

Month	Jun.			Aug.		
Station	04	07	09	04	07	09
Date	13	15	15		13	13
Time	19:10	07:10	10:30		07:20	11:00
Col. depth (m)	65	85	90		75	80
Volume (cc)	12.0	14.0	7.0		8.7	9.3
Biomass (mg/m³)	354.68	237.44	85.44		77.80	122.6
Copepoda	2360	2950	1420		309	440
Chaetognatha	124	67	159		196	110
Amphipoda	12	25	26		0	2
Euphausia	228	226	130		54	156

Month	Oct.			Dec.		
Station	05	07	09	05	07	09
Date	20	17	17	15	17	17
Time	10:10	15:40	12:10	19:25	08:10	11:50
Col. depth (m)	60	80	70	60	80	85
Volume (cc)	1.5	5.2	8.5	0.2	0.55	1.7
Biomass (mg/m³)	44.49	89.33	118.72	9.04	9.32	16.04
Copepoda	128	568	712	446	532	650
Chaetognatha	35	103	123	14	38	72
Amphipoda	0	0	4	0	0	0
Euphausia	10	5	16	8	12	42

312선 부유생물 조사표

Plankton Data. Line 312

Month	Feb.				Apr.			
Station	03	05	07	09	03	05	07	09
Date	25	25	25	25	16	16	16	16
Time	01:20	21:40	17:20	13:40	13:40	10:00	05:40	02:00
Col. depth (m)	70	70	75	85	70	90	85	85
Volume (cc)	1.5	2.0	2.0	3.0	1.8	1.2	0.6	1.5
Biomass (mg/m^3)	27.8	29.2	33.1	31.5	38.5	25.7	17.9	27.7
Copepoda	435	820	490	320	292	620	536	1176
Chaetognatha	21	13	59	78	6	1	6	13
Amphipoda	0	0	0	0	0	0	0	0
Euphausia	6	2	5	9	2	2	6	18

Month	Jun.				Aug.			
Station	03	05	07	09	03	05	07	09
Date	16	16	15	15	14	14	13	13
Time	07:50	04:10	23:50	20:10	07:55	04:15	23:55	20:15
Col. depth (m)	70	90	90	85	75	80	85	80
Volume (cc)	11.0	7.0	9.0	10.0	7.0	5.0	10.0	16.5
Biomass (mg/m^3)	162.46	86.71	132.86	159.56	119.74	66.97	144.9	222.0
Copepoda	1670	1360	1074	1040	1230	437	1410	1128
Chaetognatha	45	38	34	30	235	306	302	167
Amphipoda	8	26	16	3	19	4	14	4
Euphausia	183	196	130	264	55	54	123	237

Month	Oct.				Dec.			
Station	03	05	07	09	03	05	07	09
Date	22	22	22	23	18	18	18	17
Time	12:50	16:10	20:30	00:00	08:35	05:00	00:40	21:00
Col. depth (m)	60	80	70	70	65	80	80	85
Volume (cc)	7.0	10.5	8.0	8.0	0.2	1.0	1.5	0.15
Biomass (mg/m^3)	150.78	114.64	101.6	108.36	2.76	12.25	14.76	2.39
Copepoda	923	469	195	159	30	52	496	91
Chaetognatha	116	95	91	285	15	64	34	10
Amphipoda	0	0	8	12	0	1	0	0
Euphausia	93	23	17	23	5	3	6	4

해양조사연보 (제 28 권)

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1980년 12월 24일 인쇄

1980년 12월 31일 발행

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